INTERNATIONAL
PYTHON OLYMPIAD

01
02
03
04
05

Think.
Code.
Conquer.

The International Python Olympiad 2026

// SYSTEM.START

GE EM MA

Project Explorer

```
1  def initialize_vision():
2        o─── Ages_8_to_18
3        o─── Global_Arena
4        └─── Real_World_Creation
```

📁 manifesto.py

[GLOBAL_ONLINE_COMPETITION]
The International Python Olympiad (IPO)
is a global online coding competition.

[CREATION_CHALLENGE]
We challenge young minds to stop
just consuming technology and
start creating it.

[CORE_PRINCIPLES]
One language. Four age divisions.
Infinite possibilities.

⚠️ **No teams. No lifelines.**
100% individual coding mastery.

Return on Investment: Why Compete?

Global Recognition

Top performers earn Certificates of Excellence, medals, and international trophies shipped directly to their schools.

Logic Mastery

Move beyond syntax. Build complex problem-solving skills, algorithmic thinking, and raw coding logic.

Future Readiness

Build a functional, verifiable project for high school, college, and future career portfolios.

Universal Achievement

Every single participant receives an official electronic Certificate of Participation.

Tournament Logistics: The Arena

Deployment Status Board

01	📅	**15th July 2026**	Last Date of Registration & Submission.
02	📶	**100% Online**	Develop and submit from anywhere in the world.
03	👤	**Solo Queue**	Contestants participate as individuals. Strictly no teams allowed.
04	$	**US $15**	Standardized global participation fee.

// Results deployed globally within 60 days of the final submission deadline.

The Multilevel Architecture: Choose Your Division

Division & Age	Project Prompt	Core Interactions	Required Tech Stack
Beginner (8-10)	Number Guessing Game	Hints (Too high/low), loops	`random module, input(), conditionals`
Junior (11-13)	Quiz Game	Multiple Qs, final score	`Lists, score counters`
Middle (14-16)	To-Do List Manager	Add/View/Delete tasks	`Functions, file handling (open, read)`
Senior (17-18)	Chatbot Assistant	Conversational flow, keyword responses	`Dictionaries, basic NLP logic`

📎 Competitors must register for the exact category matching their current age for fair play.

Division 1: The Game Developers (Ages 8-13)

Beginner (Ages 8-10)

Prompt: Number Guessing Game

Winning Features: Difficulty Levels, Attempt Counters, Restart Options

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Random Generation

↑

while loops & if/else

```
1  Output:
2  Your guess: 5 -> Too high! /
3  Your guess: 3 -> Correct!
```

Junior (Ages 11-13)

Prompt: Quiz Game

Winning Features: Multiple Categories, Timers, High Score Saves

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Score Tracking Logic

↑

Lists & User Input

```
1  Output:
2  Q2: Red Planet? -> 2. Mars -> Correct!
3  Score: 2/2
```

Division 2: The Software Engineers (Ages 14-18)

Middle (Ages 14-16)

Prompt: To-Do List Manager

> **Winning Features:** Task Deadlines, Priorities, Mark as Complete

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File Handling (.txt)

↑

Functions & Menu Flow

```
1  Output:
2  Add Task | 2. View Tasks
3  -> Task added successfully!
```

Senior (Ages 17-18)
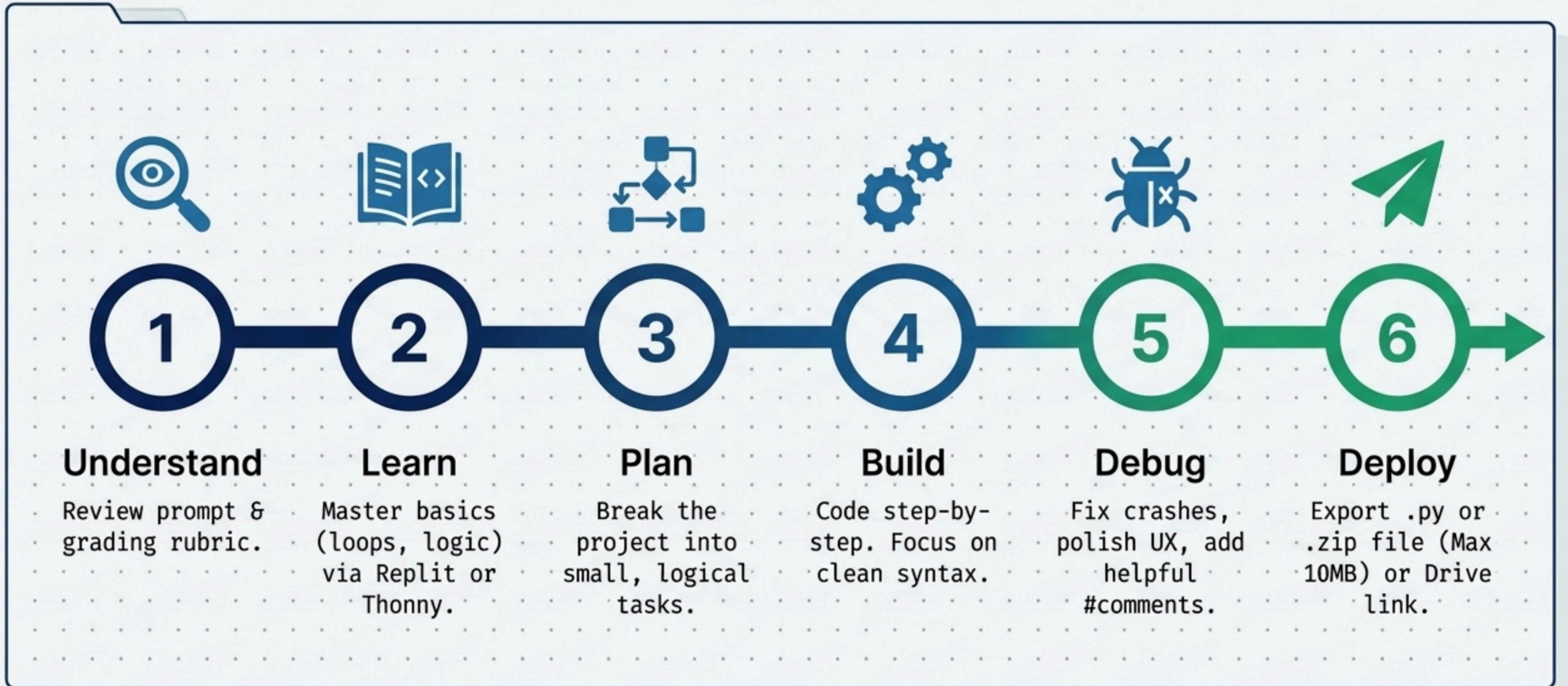
Prompt: Chatbot Assistant

> **Winning Features:** Menu Commands, Ext. Libraries (NLTK/spaCy), Context Memory

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Keyword Extraction

↑

Dictionaries & Conditional Logic

```
1  Output:
2  User: what is python? ->
3  Bot: Python is a popular programming language...
```
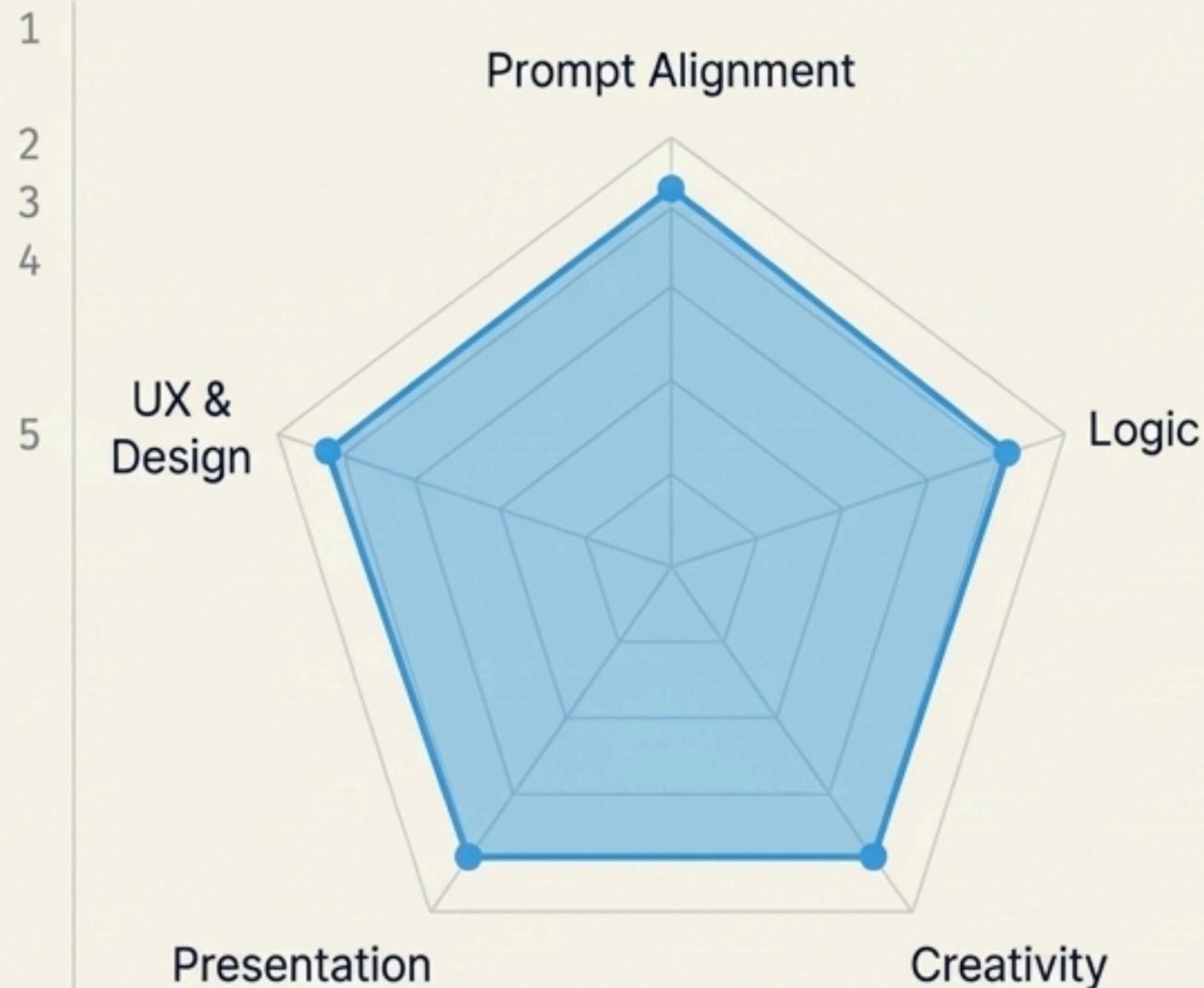
The Development Pipeline: Concept to Code

1	2	3	4	5	6
Understand	**Learn**	**Plan**	**Build**	**Debug**	**Deploy**
Review prompt & grading rubric.	Master basics (loops, logic) via Replit or Thonny.	Break the project into small, logical tasks.	Code step-by-step. Focus on clean syntax.	Fix crashes, polish UX, add helpful #comments.	Export .py or .zip file (Max 10MB) or Drive link.

The Pitch: 2-3 Minutes to Win

Cerulean, Fira Code	Emerald, Fira Code	Navy, Fira Code	Mustard, Fira Code	Crimson, Fira Code
0:00 - 0:15 [Intro]	0:15 - 0:45 [Concept]	0:45 - 1:45 [Demo]	1:45 - 2:45 [Code Review]	2:45 - 3:00 [Outro]
Who are you? (Name, Grade, Country, Division).	What did you build? (Project title, core features).	Show it in action. (Live gameplay or software walkthrough).	How does it work? (Show IDE, explain logic).	Final thoughts. (What you learned, sign off).

PRO-TIP: Set all Google Drive or YouTube links to 'View All' before submitting!

The Evaluation Engine: 100 Marks to Glory

SCORING_METRICS.log

BREAKDOWN.txt

```
1  1. [20 pts] <Prompt Alignment>
      Does the project clearly execute the assigned category
      concept?

2  2. [20 pts] <Coding Logic & Functionality>
      Is the code logically sound? Are loops/functions used
      effectively? Runs bug-free.

3  3. [20 pts] <Creativity & Originality>
      Is the concept unique? Goes beyond a basic tutorial
      replication.

4  4. [20 pts] <Video Presentation>
      Is the walkthrough clear, confident, and well-paced?

5  5. [10 pts] <UX & Design>
      Is the interface intuitive and visually clear?

6  6. [10 pts] <Presentation & Clarity>
      Is the code cleanly formatted with helpful #comments?
```

Syntax Errors: Penalties & Disqualifications

FATAL EXCEPTION (Disqualification)

Line • **Error 01: Plagiarism.** (Submitting copied tutorials, third-party projects, or AI-generated code.)

Line • **Error 02: Timeout.** (Submissions received after the deadline.)

Line • **Error 03: Invalid Data.** (False student information or inappropriate content.)

SYSTEM WARNING (Point Deductions)

Line 1 • **Warning_Code_Crash:** (Broken/non-functional projects receive a 0 in functionality.)

Line 2 • **Warning_Missing_Media:** (Missing video presentation results in a flat -10 mark penalty.)

Line 3 • **Warning_Low_Originality:** (Cloned tutorials heavily reduce creativity scores.)

Line 4 • **Warning_Incomplete_Form:** (Missing descriptions trigger a 5-10 mark penalty.)

Pre-Deployment Checklist

Project File:
Final .py file or compressed .zip (Max 10MB), OR public Replit/Drive link.

Video Walkthrough:
A public Google Drive or YouTube link of your 2-3 minute pitch.

Student Identity:
Full name, correct age division, and project title.

School Verification:
Principal/Coordinator details & verification doc (School ID, birth cert < 1MB).

Payment Receipt:
Uploaded receipt of the US$15 registration fee.

Let your code make a difference.

▶ Execute Program

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PYTHON OLYMPIAD

Every great coder started somewhere. You don't need to be an expert—you just need to be curious, creative, and committed. This is your beginning.

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