What will be the output?

# Introduction

For each of these example programs, decide what will be displayed (output) based on the values that are inputted.

Task 1 - if .

**Program 1**

Complete the table to state what will be the output based on the input:

|  |  |
| --- | --- |
| 1  2  3  4 | print("Enter name:")  name = input()  if name == "Harry":  print("Are you a Prince?") |

|  |  |
| --- | --- |
| **Input** | **Output** |
| Harry | “Are you a Prince?” |
| Shariff | Nothing |
| Evelyn | Nothing |

**Program 2**

Complete the table to state what will be the output based on the input:

|  |  |
| --- | --- |
| 1  2  3  4 | print("Enter age:")  age = int(input())  if age > 25:  print("Wow that is old!") |

|  |  |
| --- | --- |
| **Input** | **Output** |
| 25 | Nothing |
| 27 | “Wow that is old!” |
| 12 | Nothing |

Task 2 - if-else.

**Program 1**

Complete the table to state what will be the output based on the input:

|  |  |
| --- | --- |
| 1  2  3  4  5  6 | print("Enter birth month (e.g. September):")  month = input()  if month == "June":  print("That is my favourite month")  else:  print("My birth month is June") |

|  |  |
| --- | --- |
| **Input** | **Output** |
| July | “My birth month is June” |
| June | “That is my favourite month” |
| August | “My birth month is June” |

**Program 2**

Complete the table to state what will be the output based on the input:

|  |  |
| --- | --- |
| 1  2  3  4  5  6 | print("Guess a number between 1 and 10:")  number = int(input())  if number == 7:  print("You got it!")  else:  print("Incorrect") |

|  |  |
| --- | --- |
| **Input** | **Output** |
| 6 | “Incorrect” |
| 10 | “Incorrect” |
| 7 | “You got it” |

Task 3 - if-elif-else.

**Program 1**

Complete the table to state what will be the output based on the input:

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8 | print("Guess a number between 1 and 10:")  number = int(input())  if number == 7:  print("You got it!")  elif number < 7:  print("Higher")  else:  print("Lower") |

|  |  |
| --- | --- |
| **Input** | **Output** |
| 7 | “You got it!” |
| 9 | “Lower” |
| 3 | “Higher” |

**Program 2**

Complete the table to state what will be the output based on the input:

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7 | print("Enter a number: ")  odd\_even = int(input())  odd\_even = odd\_even % 2  if odd\_even == 1:  print("Your number is odd")  elif odd\_even == 0:  print("Your number is even") |

|  |  |
| --- | --- |
| **Input** | **Output** |
| 67 | “Your number is odd” |
| 24 | “Your number is even” |
| 93 | “Your number is odd” |

Explorer task.

Check your answers by entering the code!

Resources are updated regularly — the latest version is available at: [ncce.io/tcc](http://ncce.io/tcc).

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