Name _____

Section _____

Roll # _____

12 points.

1. (1 point) Fix the error.

   ```
   print(Hello World!)
   ```

2. (1 point) While trying to compute 365^{365}, the following code printed 0. Fix the error.

   ```
   print(365 ^ 365)
   ```

3. (1 point) IRCTC wanted to print your sleeper coach number and wrote the following code. Fix the error for them.

   ```
   print("S" + 10)
   ```

4. (1 point) What does the following print?

   ```
   a = 10
   b = 5
   a = a + b
   b = a + b
   print(a, b)
   ```

5. (1 point) What does the following print?

   ```
   a = 10
   b = 5
   if a + b == b + a:
       print(''='')
   else:
       print("≠")
   ```

6. (1 point) What is the type of the result of the expression 6/2. A. **int** B. **float** C. **str**

7. (1 point) What is the type of the result of the expression 6%2. A. **int** B. **float** C. **str**

8. (1 point) Does the following print Yes, No, or an error?

   ```
   if 0 == 1 and 1/0 == 1:
       print("Yes.")
   else:
       print("No.")
   ```

9. (1 point) Does the following print Yes, No, or an error?

   ```
   if 0 == 1 or 1/0 == 1:
       print("Yes.")
   else:
       print("No.")
   ```

10. (1 point) What does the following print?

    ```
    if 0.1 + 0.2 == 0.3:
        print("=")
    else:
        print("≠")
    ```

11. (2 points) The input marks is always in the range $[0, 100]$. The grade should be A if marks is in the range $[90, 100]$, B if marks is in the range $[80, 90]$, and C otherwise. Explain the mistake in the following code and fix it.

    ```
    marks = input()
    if marks >= 90:
        print("A")
    if marks >= 80:
        print("B")
    else:
        print("C")
    ```