

## EXERCISE: TYPE OF ERRORS

What are the difference:

| LOGIC ERRORS | SYNTAX ERRORS |
|--------------|---------------|
|              |               |
|              |               |

Find the errors :

1. start
2. declare average, num\_a, num\_b
3. input num\_a, num\_b
4. calculate average=num\_a + num\_b / 2
5. print num\_a
6. end

Ans: 1: \_\_\_\_\_ Type of error: \_\_\_\_\_

2: \_\_\_\_\_ Type of error: \_\_\_\_\_

1. start
2. declare circumference, area, pi, radius
3. assign pi=3.142
4. input pi, radius
5. calculate area=2\*pi\*radius
6. calculate circumference=pi\*radius\*radius
7. print area, circumference
8. end

Ans: 1: \_\_\_\_\_ Type of error: \_\_\_\_\_

2: \_\_\_\_\_ Type of error: \_\_\_\_\_

3: \_\_\_\_\_ Type of error: \_\_\_\_\_

- The Wrong Coding:

```
System.out.println(Hello World);
```

- The Correct Coding :

```
System.out.println("Hello World");
```

Ans: 1: \_\_\_\_\_ Type of error: \_\_\_\_\_

- The Wrong Coding:

```
if (num = 100) {  
    cout << "num less 100";  
else  
    cout << "num is not 100";
```

- The Correct Coding :

```
if (num == 100) {  
    cout << "num equals 100";  
else  
    cout << "num is not 100";  
}
```

Ans: 1: \_\_\_\_\_ Type of error: \_\_\_\_\_

Ans: 2: \_\_\_\_\_ Type of error: \_\_\_\_\_

Ans3: \_\_\_\_\_ Type of error: \_\_\_\_\_

- The Wrong Coding:

```
int main()
{  int firstNumber, secondNumber, sumOfTwoNumbers;
  cout << "Enter two integers: "
  cin >> firstNumber >> secondNumber
  sumOfTwoNumbers = firstNumber + secondNumber
  cout << sumOfTwoNumbers;
  return 0;
}
```

- The Correct Coding :

```
int main()
{  int firstNumber, secondNumber, sumOfTwoNumbers;
  cout << "Enter two integers: ";
  cin >> firstNumber >> secondNumber;
  sumOfTwoNumbers = firstNumber + secondNumber;
  cout << sumOfTwoNumbers;
  return 0;
}
```

Ans: 1:\_\_\_\_\_ Type of error:\_\_\_\_\_