

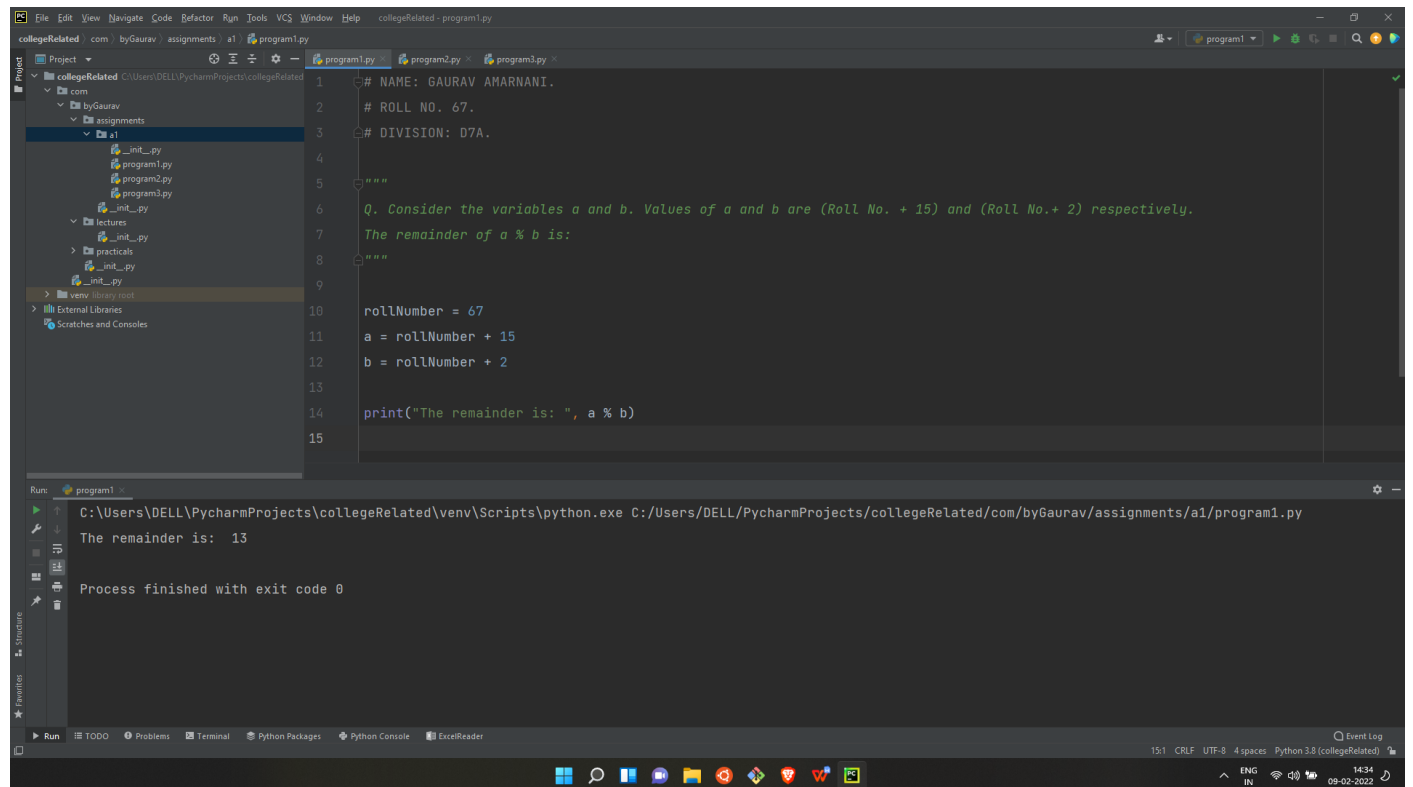
NAME: GAURAV AMARNANI.

ROLL NO. 67.

DIVISION: D7A.

Python Assignment No. 1

1. Consider the variables a and b. Values of a and b are (Roll No. + 15) and (Roll No.+ 2) respectively. The remainder is:



The screenshot displays the PyCharm IDE interface. The main editor window shows a Python file named `program1.py` with the following code:

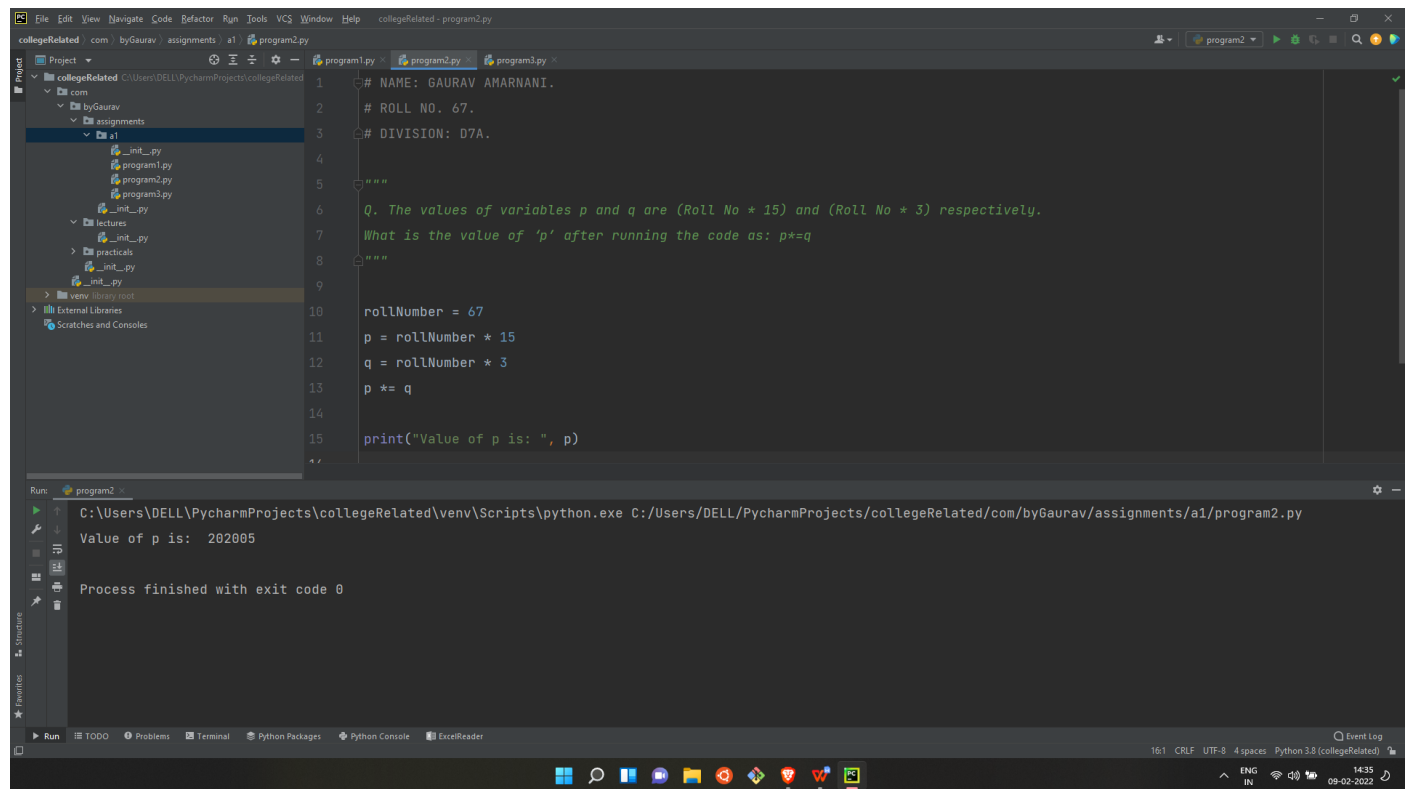
```
1 # NAME: GAURAV AMARNANI.
2 # ROLL NO. 67.
3 # DIVISION: D7A.
4
5 """
6 Q. Consider the variables a and b. Values of a and b are (Roll No. + 15) and (Roll No.+ 2) respectively.
7 The remainder of a % b is:
8 """
9
10 rollNumber = 67
11 a = rollNumber + 15
12 b = rollNumber + 2
13
14 print("The remainder is: ", a % b)
15
```

The left sidebar shows the project structure with folders like `collegeRelated`, `com`, and `assignments`. The bottom panel shows the Run console output:

```
Run: program1
C:\Users\DELL\PycharmProjects\collegeRelated\venv\Scripts\python.exe C:/Users/DELL/PycharmProjects/collegeRelated/com/byGaurav/assignments/a1/program1.py
The remainder is: 13
Process finished with exit code 0
```

The status bar at the bottom indicates the file encoding is UTF-8, the line length is 151, and the Python version is 3.8.

2. The values of variables p and q are (Roll No * 15) and (Roll No * 3) respectively. What is the value of 'p' after running the code as: p*=q



The screenshot shows the PyCharm IDE with a project named 'collegeRelated'. The file explorer on the left shows the project structure. The main editor displays 'program2.py' with the following code:

```
1 # NAME: GAURAV AMARNANI.
2 # ROLL NO. 67.
3 # DIVISION: D7A.
4
5 """
6 Q. The values of variables p and q are (Roll No * 15) and (Roll No * 3) respectively.
7 What is the value of 'p' after running the code as: p*=q
8 """
9
10 rollNumber = 67
11 p = rollNumber * 15
12 q = rollNumber * 3
13 p *= q
14
15 print("Value of p is: ", p)
```

The Run window at the bottom shows the execution command and output:

```
C:\Users\DELL\PycharmProjects\collegeRelated\venv\Scripts\python.exe C:/Users/DELL/PycharmProjects/collegeRelated/com/byGaurav/assignments/a1/program2.py
Value of p is: 202005
Process finished with exit code 0
```

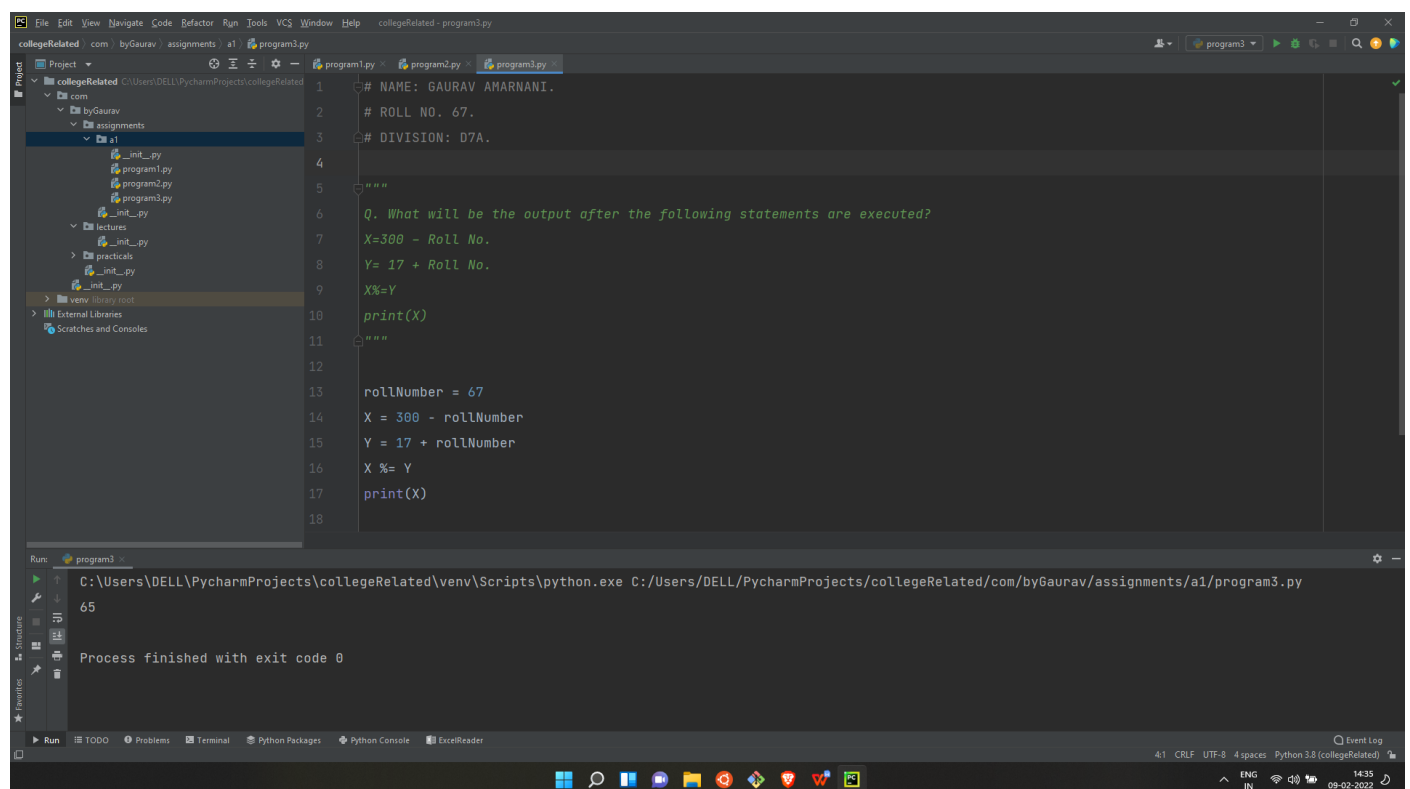
3. What will be the output after the following statements are executed?

$X = 300 - \text{Roll No.}$

$Y = 17 + \text{Roll No.}$

$X \% = Y$

`print(X)`



The screenshot shows the PyCharm IDE with a project named 'collegeRelated'. The file explorer on the left shows the project structure. The main editor displays 'program3.py' with the following code:

```
1 # NAME: GAURAV AMARNANI.
2 # ROLL NO. 67.
3 # DIVISION: D7A.
4
5 """
6 Q. What will be the output after the following statements are executed?
7 X=300 - Roll No.
8 Y= 17 + Roll No.
9 X%=Y
10 print(X)
11 """
12
13 rollNumber = 67
14 X = 300 - rollNumber
15 Y = 17 + rollNumber
16 X %= Y
17 print(X)
18
```

The Run window at the bottom shows the execution command and output:

```
C:\Users\DELL\PycharmProjects\collegeRelated\venv\Scripts\python.exe C:/Users/DELL/PycharmProjects/collegeRelated/com/byGaurav/assignments/a1/program3.py
65
Process finished with exit code 0
```