

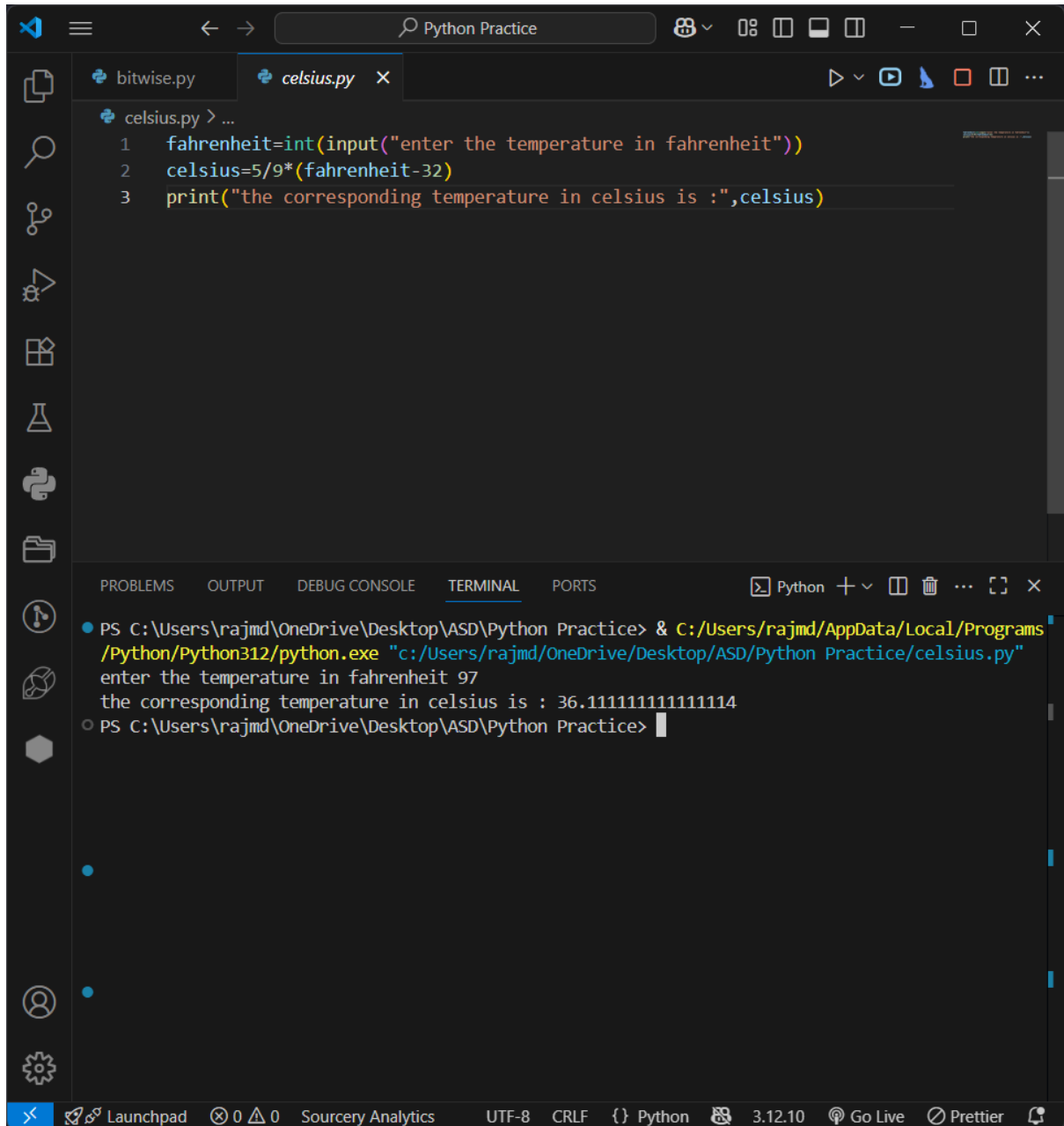
PYTHON ASSIGNMENT 1 BY MD RAJ

QUESTION NUMBER 1

```
fahrenheit=int(input("enter the temperature in fahrenheit"))
```

```
celsius=5/9*(fahrenheit-32)
```

```
print("the corresponding temperature in celsius is :",celsius)
```



The screenshot shows a Visual Studio Code editor window with a file named `celsius.py` open. The code in the editor is as follows:

```
1 fahrenheit=int(input("enter the temperature in fahrenheit"))
2 celsius=5/9*(fahrenheit-32)
3 print("the corresponding temperature in celsius is :",celsius)
```

Below the editor, the TERMINAL panel is active, showing the command to run the script and its output:

```
PS C:\Users\rajmd\OneDrive\Desktop\ASD\Python Practice> & C:/Users/rajmd/AppData/Local/Programs/Python/Python312/python.exe "c:/Users/rajmd/OneDrive/Desktop/ASD/Python Practice/celsius.py"
enter the temperature in fahrenheit 97
the corresponding temperature in celsius is : 36.111111111111114
PS C:\Users\rajmd\OneDrive\Desktop\ASD\Python Practice>
```

The status bar at the bottom of the editor indicates the file is encoded in UTF-8, uses CRLF line endings, and is a Python 3.12.10 file. It also shows icons for Launchpad, Sourcery Analytics, Go Live, and Prettier.

-----question number 1 output screen

QUESTION NUMBER 2

PYTHON ASSIGNMENT 1 BY MD RAJ

```
hindi=int(input("Enter the marks obtained in hindi"))
english=int(input("Enter the marks obtained in english"))
maths=int(input("Enter the marks obtained in maths"))
science=int(input("Enter the marks obtained in science"))
bengali=int(input("Enter the marks obtained in bengali"))

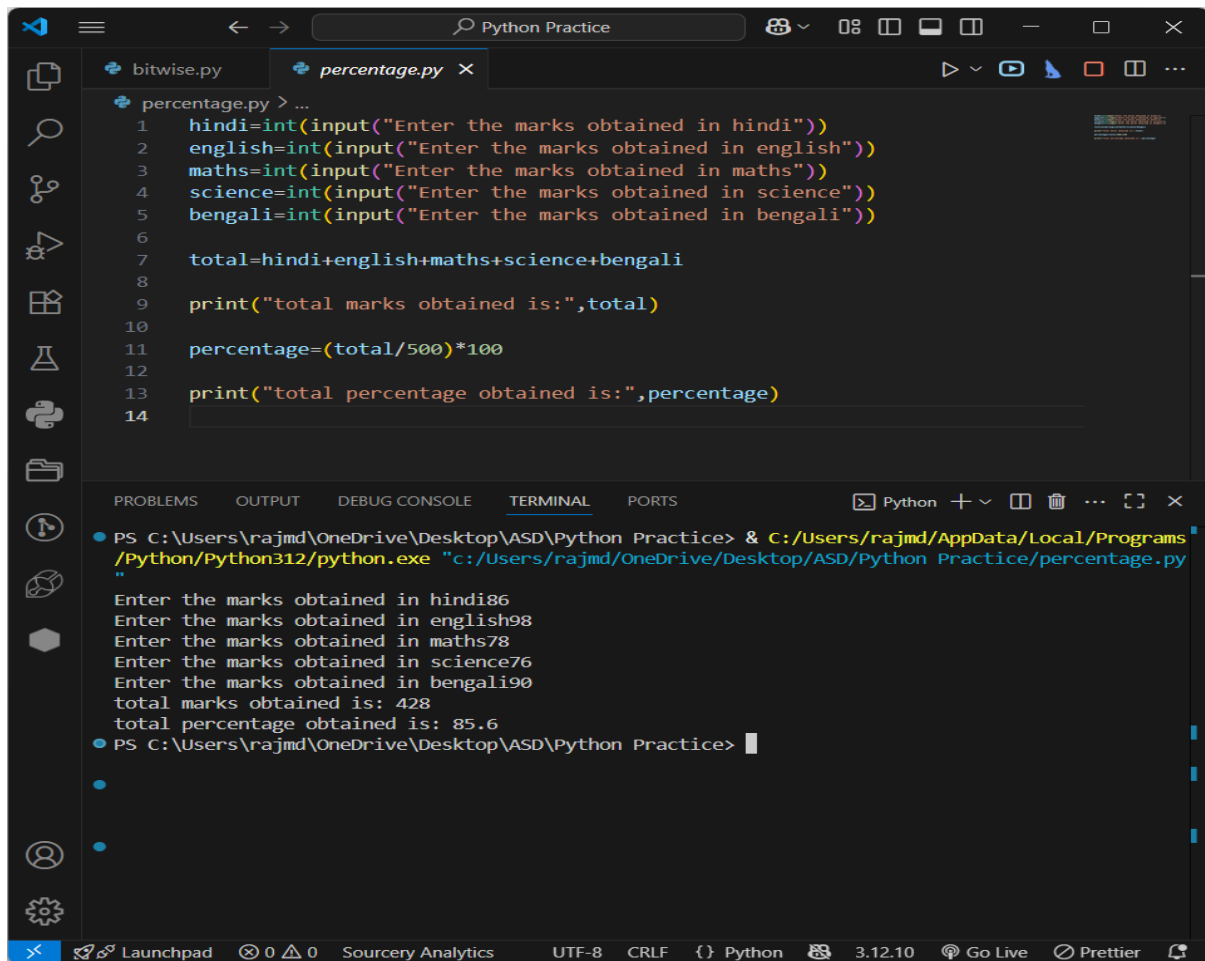
total=hindi+english+maths+science+bengali

print("total marks obtained is:",total)

percentage=(total/500)*100

print("total percentage obtained is:",percentage)
```

PYTHON ASSIGNMENT 1 BY MD RAJ



The screenshot shows a VS Code editor window with a file named 'percentage.py' open. The code in the file is as follows:

```
1 hindi=int(input("Enter the marks obtained in hindi"))
2 english=int(input("Enter the marks obtained in english"))
3 maths=int(input("Enter the marks obtained in maths"))
4 science=int(input("Enter the marks obtained in science"))
5 bengali=int(input("Enter the marks obtained in bengali"))
6
7 total=hindi+english+maths+science+bengali
8
9 print("total marks obtained is:",total)
10
11 percentage=(total/500)*100
12
13 print("total percentage obtained is:",percentage)
14
```

Below the code editor, the 'TERMINAL' panel is active, showing the command prompt output of running the script:

```
PS C:\Users\rajmd\OneDrive\Desktop\ASD\Python Practice> & C:/Users/rajmd/AppData/Local/Programs/Python/Python312/python.exe "c:/Users/rajmd/OneDrive/Desktop/ASD/Python Practice/percentage.py"
Enter the marks obtained in hindi86
Enter the marks obtained in english98
Enter the marks obtained in maths78
Enter the marks obtained in science76
Enter the marks obtained in bengali90
total marks obtained is: 428
total percentage obtained is: 85.6
PS C:\Users\rajmd\OneDrive\Desktop\ASD\Python Practice>
```

-----question number 2 output screen----

QUESTION NUMBER 3

length = int(input("enter the length of the rectangle"))

breadth = int(input("enter the breadth of the rectangle"))

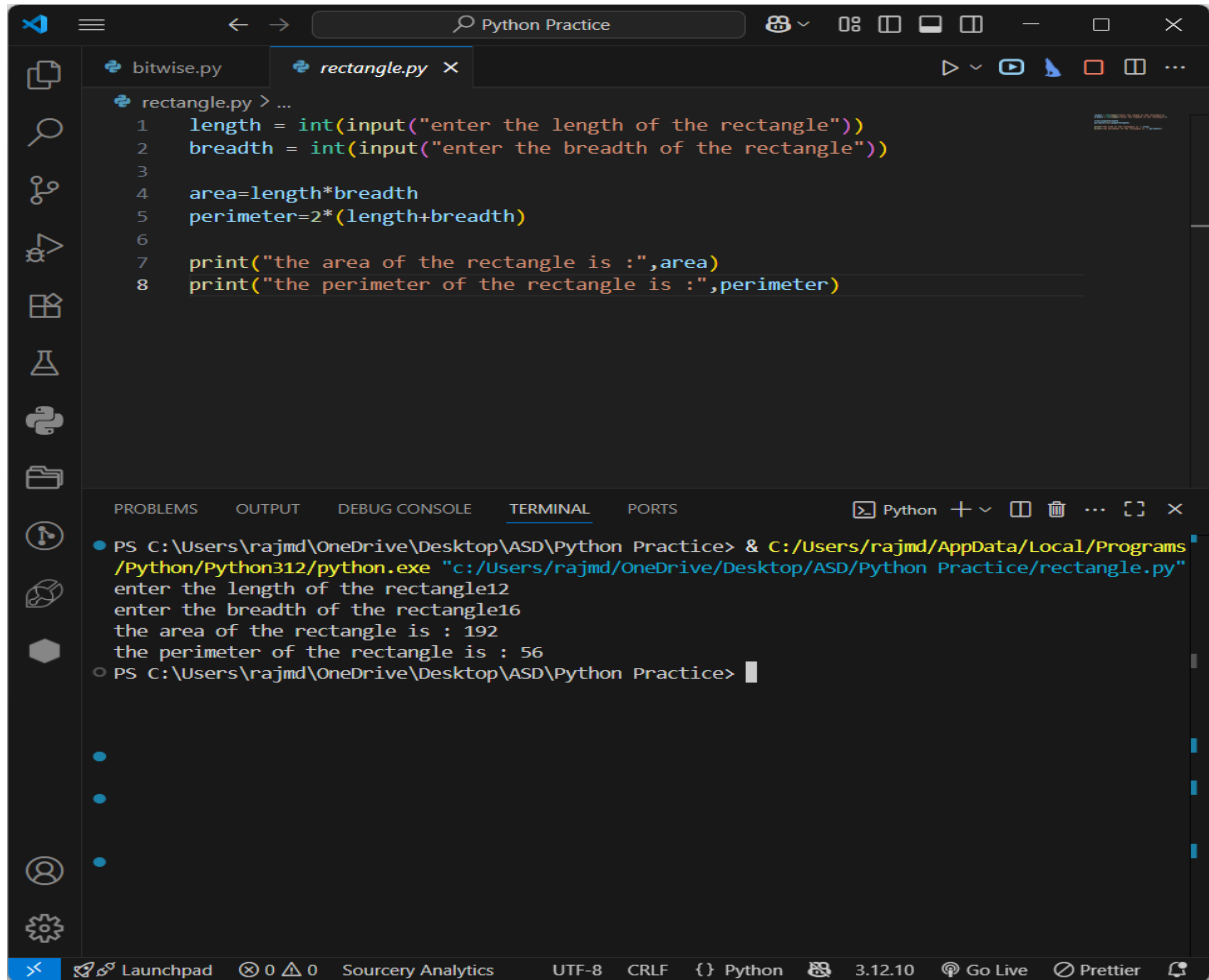
area=length*breadth

perimeter=2*(length+breadth)

PYTHON ASSIGNMENT 1 BY MD RAJ

```
print("the area of the rectangle is :",area)
```

```
print("the perimeter of the rectangle is :",perimeter)
```



The screenshot shows a Visual Studio Code editor window titled "Python Practice". The editor has two tabs: "bitwise.py" and "rectangle.py". The "rectangle.py" tab is active, displaying the following Python code:

```
1 length = int(input("enter the length of the rectangle"))
2 breadth = int(input("enter the breadth of the rectangle"))
3
4 area=length*breadth
5 perimeter=2*(length+breadth)
6
7 print("the area of the rectangle is :",area)
8 print("the perimeter of the rectangle is :",perimeter)
```

Below the editor, the "TERMINAL" panel is open, showing the execution of the script. The command prompt shows the command to run the script, followed by the user input for length (12) and breadth (16), and the resulting output for area (192) and perimeter (56).

```
PS C:\Users\rajmd\OneDrive\Desktop\ASD\Python Practice> & C:/Users/rajmd/AppData/Local/Programs/Python/Python312/python.exe "c:/Users/rajmd/OneDrive/Desktop/ASD/Python Practice/rectangle.py"
enter the length of the rectangle12
enter the breadth of the rectangle16
the area of the rectangle is : 192
the perimeter of the rectangle is : 56
PS C:\Users\rajmd\OneDrive\Desktop\ASD\Python Practice>
```

-----Question number 3 output screen-----

QUESTION NUMBER 4

```
print("working on bitwise operators")
```

```
a=5
```

```
b=10
```

PYTHON ASSIGNMENT 1 BY MD RAJ

```
print(a|b)
```

```
#15
```

```
# 0101---->5
```

```
# 1010---->10
```

```
# 1111---->15
```

```
print(a&b)
```

```
#0
```

```
# 0101---->5
```

```
# 1010---->10
```

```
# 0000---->0
```

```
print(a^b)
```

```
#15
```

```
# 0101---->5
```

```
# 1010---->10
```

```
# 1111---->15
```

```
print(~a)
```

```
#-6
```

```
# 0101---->5
```

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1010----->-6

print(a<<2)

#20

5 = 00000101

00000101 << 2 ----> 00010100

00010100 = 20

print(a>>2)

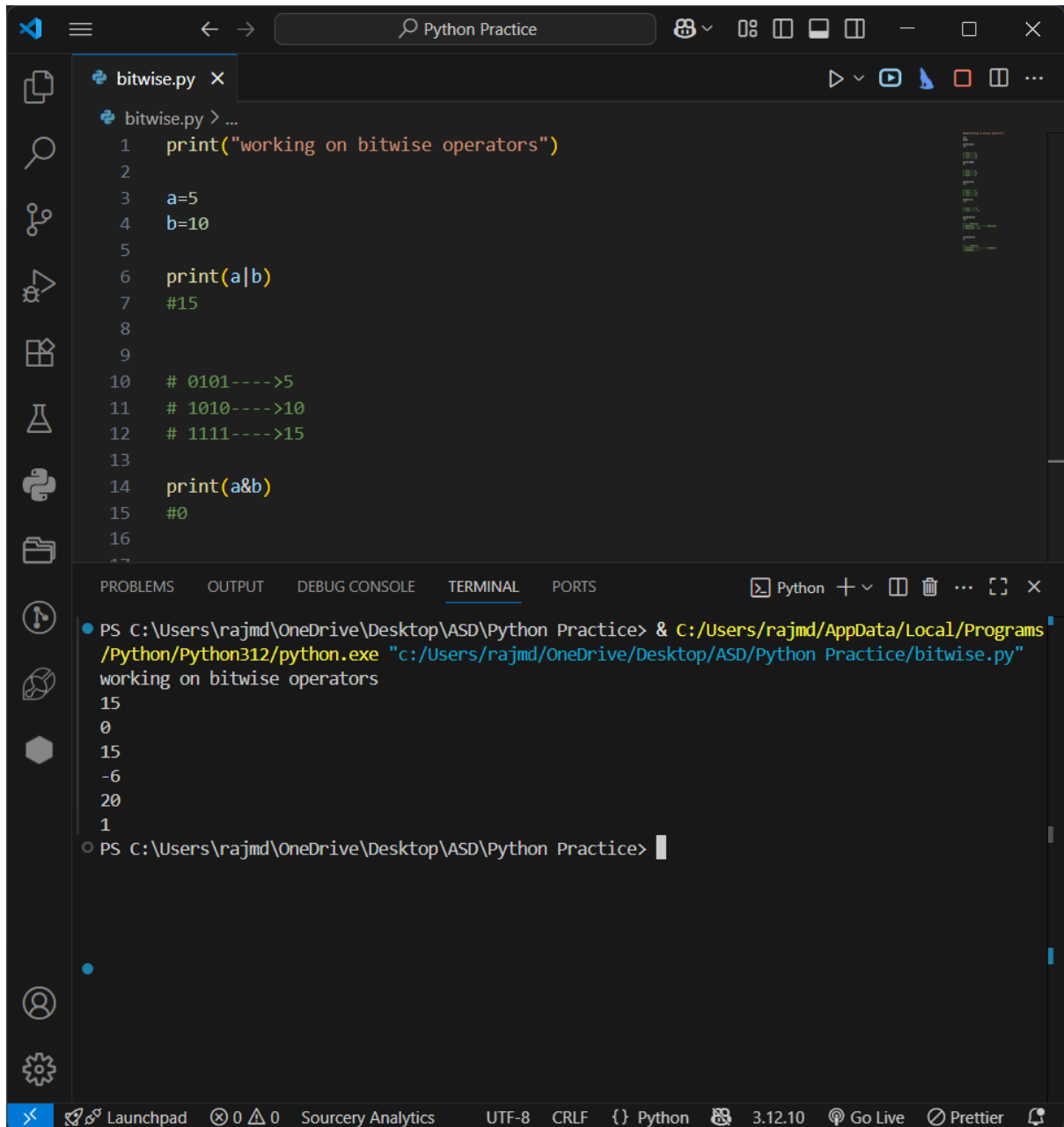
#1

5 = 00000101

00000101 >> 2 ----> 00000001

00000001 = 1

PYTHON ASSIGNMENT 1 BY MD RAJ



The image shows a Visual Studio Code editor window with a file named `bitwise.py` open. The code in the file is as follows:

```
1 print("working on bitwise operators")
2
3 a=5
4 b=10
5
6 print(a|b)
7 #15
8
9
10 # 0101---->5
11 # 1010---->10
12 # 1111---->15
13
14 print(a&b)
15 #0
16
```

Below the code editor, the **TERMINAL** tab is active, showing the command used to run the script and its output:

```
PS C:\Users\rajmd\OneDrive\Desktop\ASD\Python Practice> & C:/Users/rajmd/AppData/Local/Programs/Python/Python312/python.exe "c:/Users/rajmd/OneDrive/Desktop/ASD/Python Practice/bitwise.py"
working on bitwise operators
15
0
15
-6
20
1
PS C:\Users\rajmd\OneDrive\Desktop\ASD\Python Practice>
```

The status bar at the bottom of the editor indicates the file is encoded in UTF-8, uses CRLF line endings, and is a Python 3.12.10 file.

QUESTION NUMBER 4 OUTPUT-----