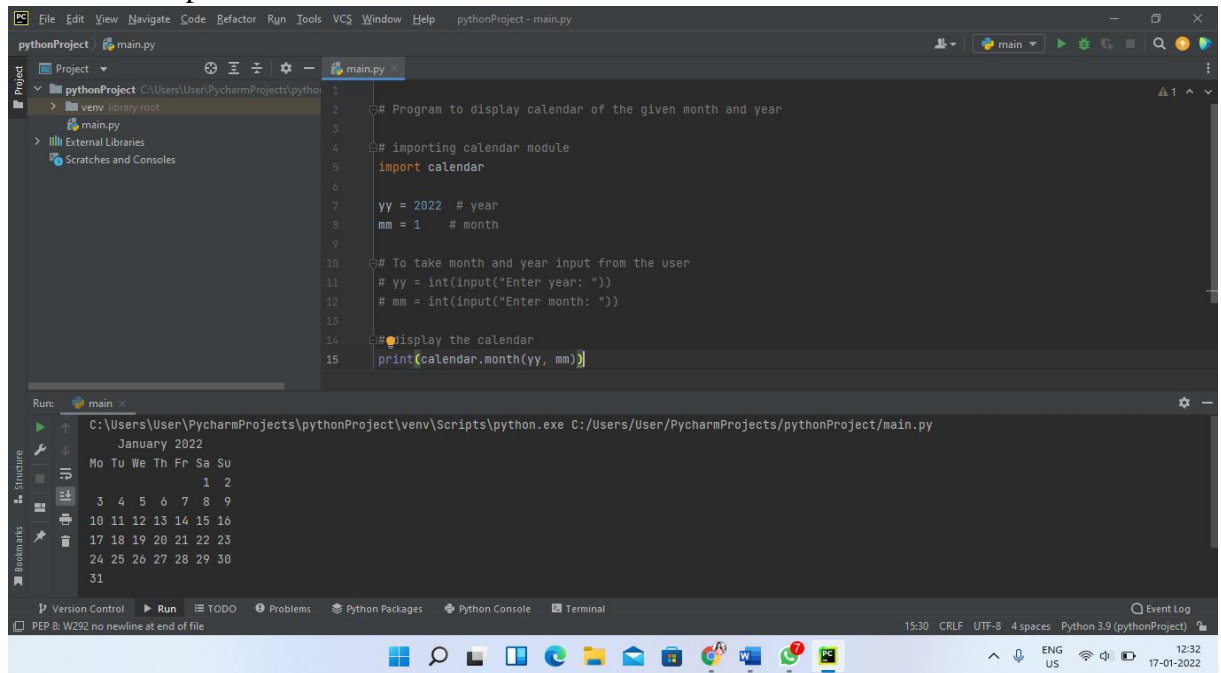


1. Python Program to Print Calendar

Code and Output:



```
1 # Program to display calendar of the given month and year
2
3
4 # importing calendar module
5 import calendar
6
7 yy = 2022 # year
8 mm = 1 # month
9
10 # To take month and year input from the user
11 # yy = int(input("Enter year: "))
12 # mm = int(input("Enter month: "))
13
14 # display the calendar
15 print(calendar.month(yy, mm))
```

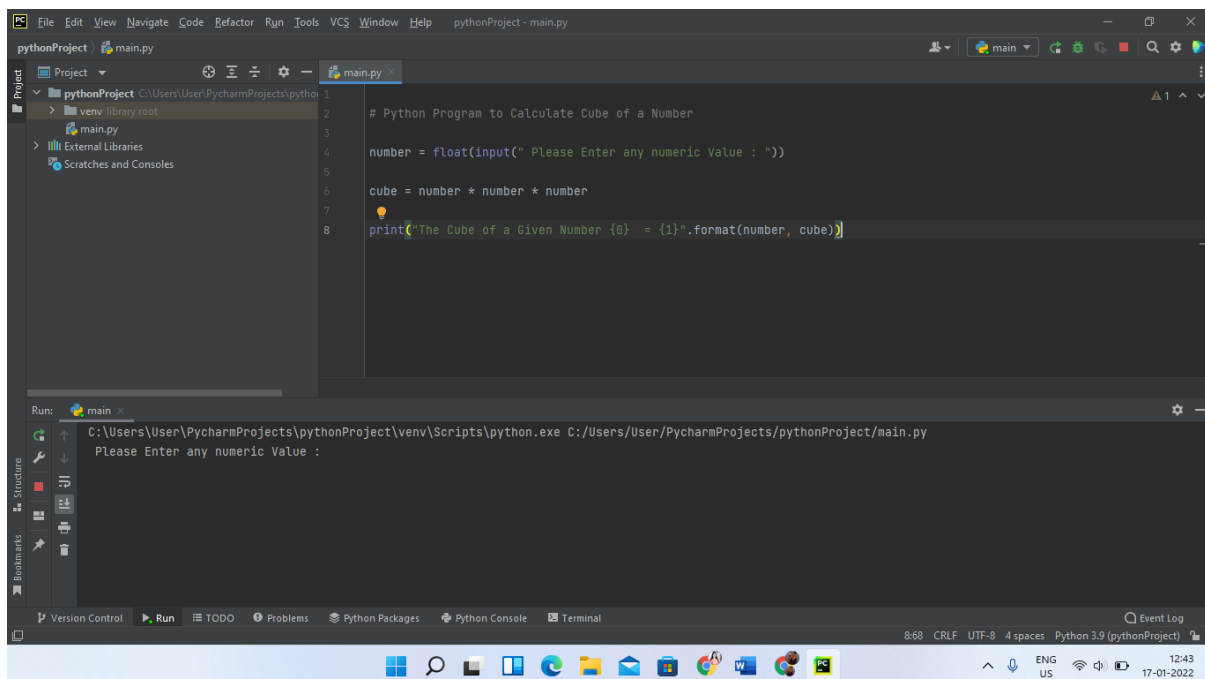
Run: C:\Users\User\PycharmProjects\pythonProject\venv\Scripts\python.exe C:/Users/User/PycharmProjects/pythonProject/main.py

January 2022

Mo	Tu	We	Th	Fr	Sa	Su
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
						31

2. Python Program to find Cube of a Number :

Code and Output:



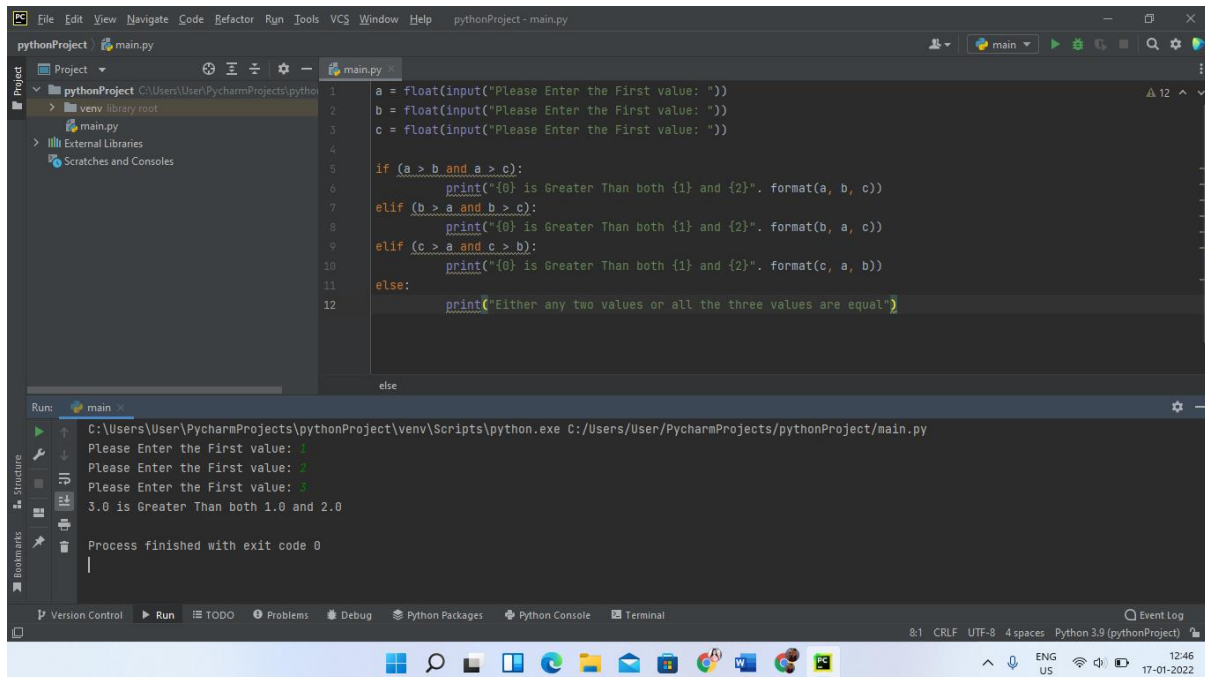
```
1 # Python Program to Calculate Cube of a Number
2
3
4 number = float(input(" Please Enter any numeric Value : "))
5
6 cube = number * number * number
7
8 print("The Cube of a Given Number {0} = {1}".format(number, cube))
```

Run: C:\Users\User\PycharmProjects\pythonProject\venv\Scripts\python.exe C:/Users/User/PycharmProjects/pythonProject/main.py

Please Enter any numeric Value :

3. Python Program to find Largest of 3 numbers

Code and output



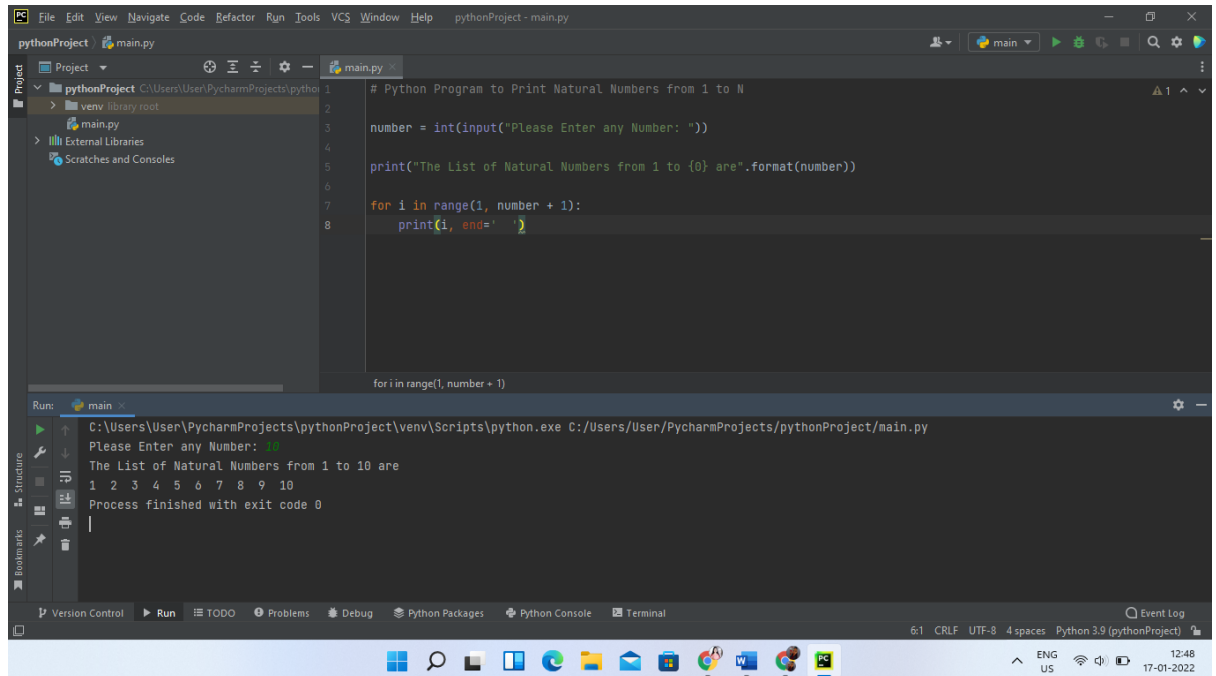
```
1 a = float(input("Please Enter the First value: "))
2 b = float(input("Please Enter the First value: "))
3 c = float(input("Please Enter the First value: "))
4
5 if (a > b and a > c):
6     print("{0} is Greater Than both {1} and {2}".format(a, b, c))
7 elif (b > a and b > c):
8     print("{0} is Greater Than both {1} and {2}".format(b, a, c))
9 elif (c > a and c > b):
10    print("{0} is Greater Than both {1} and {2}".format(c, a, b))
11 else:
12    print("Either any two values or all the three values are equal")
```

Run: main

```
C:\Users\User\PycharmProjects\pythonProject\venv\Scripts\python.exe C:/Users/User/PycharmProjects/pythonProject/main.py
Please Enter the First value: 1
Please Enter the First value: 2
Please Enter the First value: 3
3.0 is Greater Than both 1.0 and 2.0
Process finished with exit code 0
```

4. Python Program to Print Natural numbers from 1 to N

Code and Output:



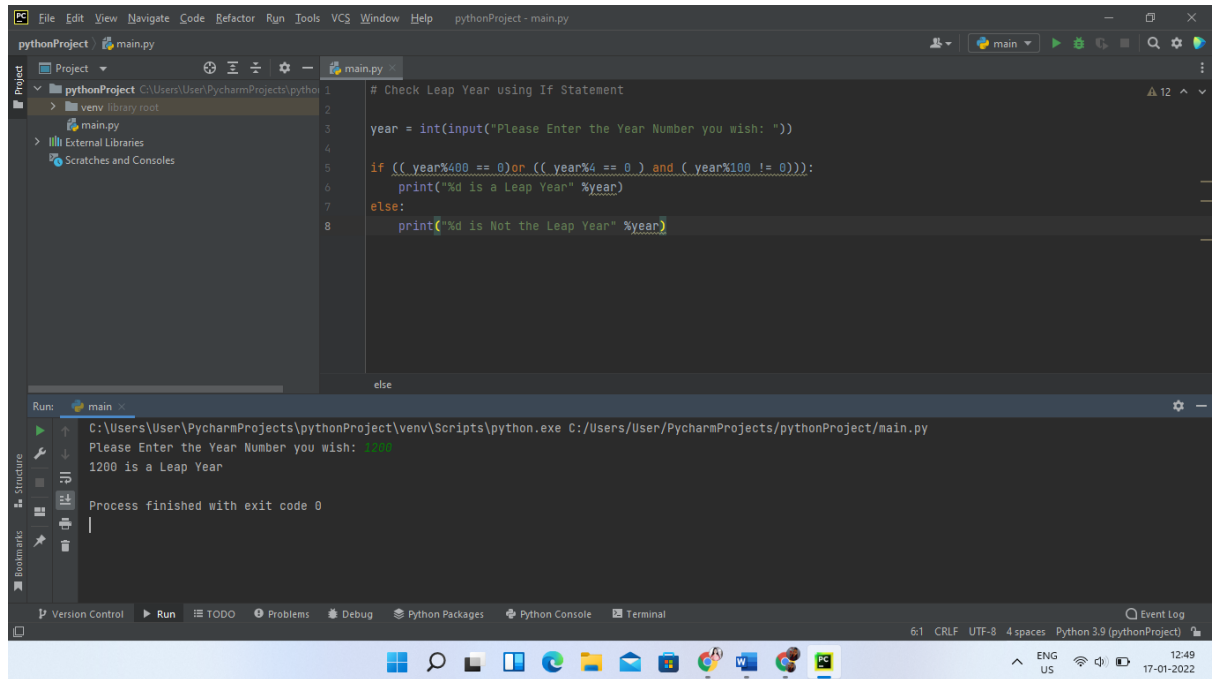
```
1 # Python Program to Print Natural Numbers from 1 to N
2
3 number = int(input("Please Enter any Number: "))
4
5 print("The List of Natural Numbers from 1 to {0} are".format(number))
6
7 for i in range(1, number + 1):
8     print(i, end=' ')
9
10 for i in range(1, number + 1)
```

Run: main

```
C:\Users\User\PycharmProjects\pythonProject\venv\Scripts\python.exe C:/Users/User/PycharmProjects/pythonProject/main.py
Please Enter any Number: 10
The List of Natural Numbers from 1 to 10 are
1 2 3 4 5 6 7 8 9 10
Process finished with exit code 0
```

5. Python Program for Leap Year

Code and Output:



```
1 # Check Leap Year using If Statement
2
3 year = int(input("Please Enter the Year Number you wish: "))
4
5 if ((year%400 == 0) or ((year%4 == 0) and (year%100 != 0))):
6     print("%d is a Leap Year" %year)
7 else:
8     print("%d is Not the Leap Year" %year)
```

Run: main

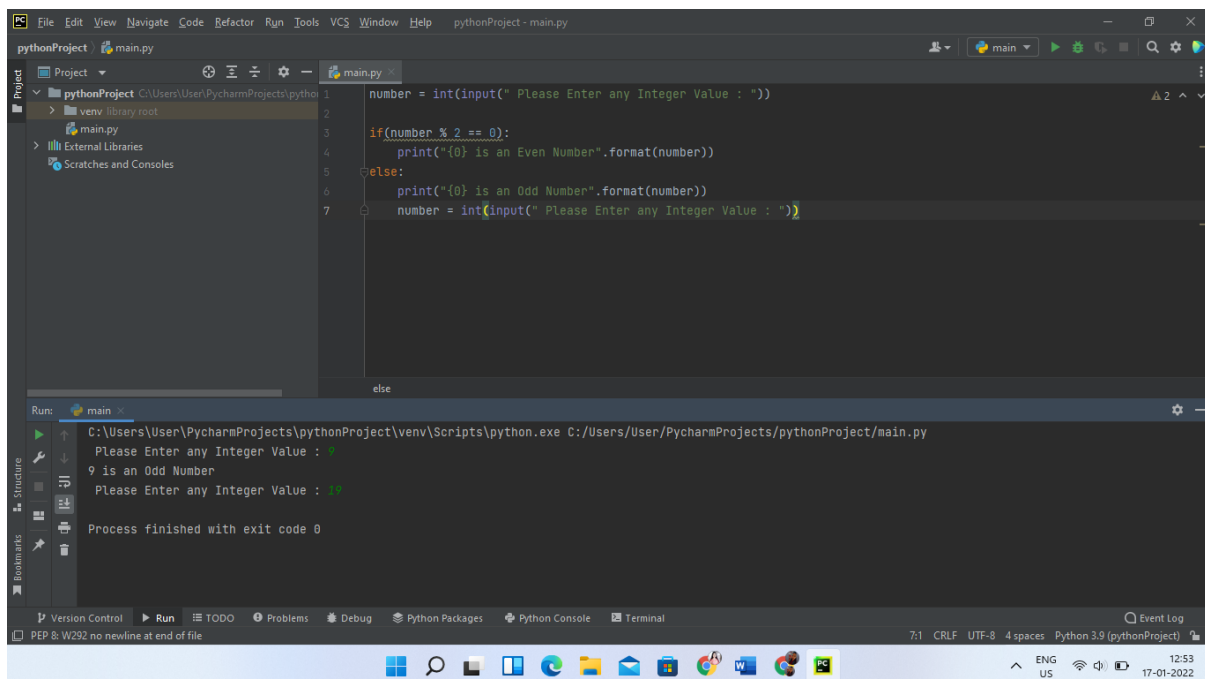
C:\Users\User\PycharmProjects\pythonProject\venv\Scripts\python.exe C:/Users/User/PycharmProjects/pythonProject/main.py

Please Enter the Year Number you wish: 1200

1200 is a Leap Year

Process finished with exit code 0

6. Python Program to find Odd or Even :
Code and Output :



```
1 number = int(input(" Please Enter any Integer Value : "))
2
3 if(number % 2 == 0):
4     print("{0} is an Even Number".format(number))
5 else:
6     print("{0} is an Odd Number".format(number))
7     number = int(input(" Please Enter any Integer Value : "))
```

Run: main

C:\Users\User\PycharmProjects\pythonProject\venv\Scripts\python.exe C:/Users/User/PycharmProjects/pythonProject/main.py

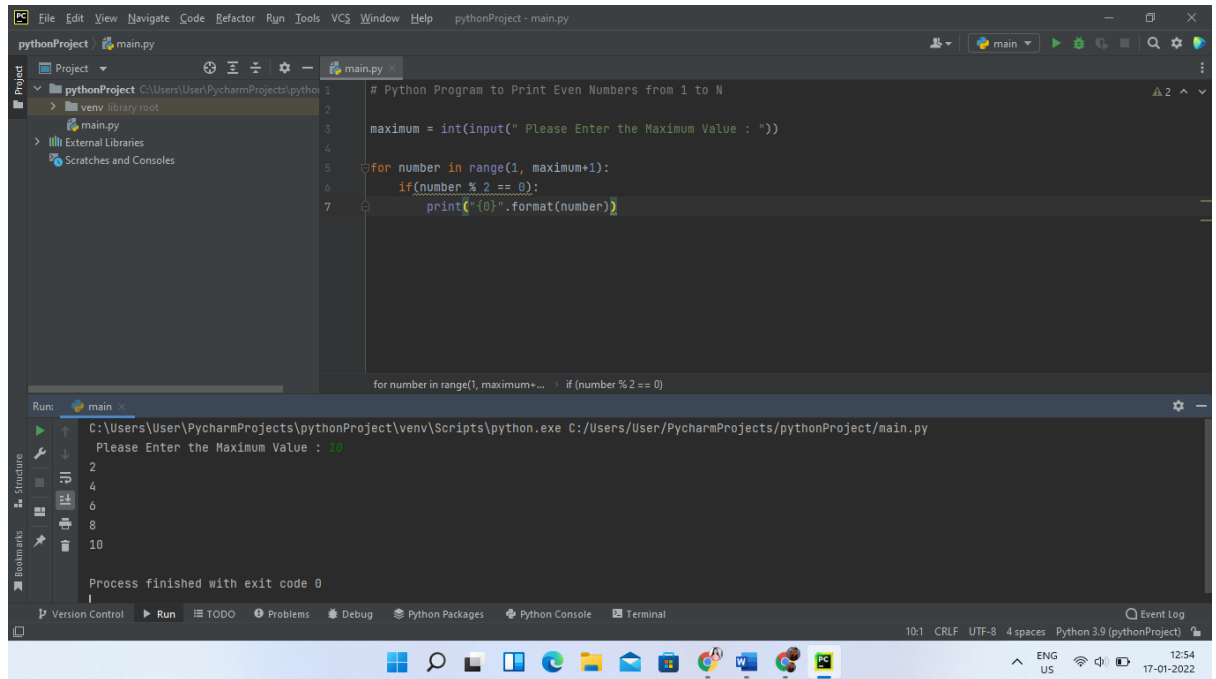
Please Enter any Integer Value : 9

9 is an Odd Number

Please Enter any Integer Value : 10

Process finished with exit code 0

7. Python Program to print Even Numbers from 1 to 100
Code and Output:



```
# Python Program to Print Even Numbers from 1 to N
maximum = int(input(" Please Enter the Maximum Value : "))
for number in range(1, maximum+1):
    if(number % 2 == 0):
        print("{0}".format(number))
```

Run: main

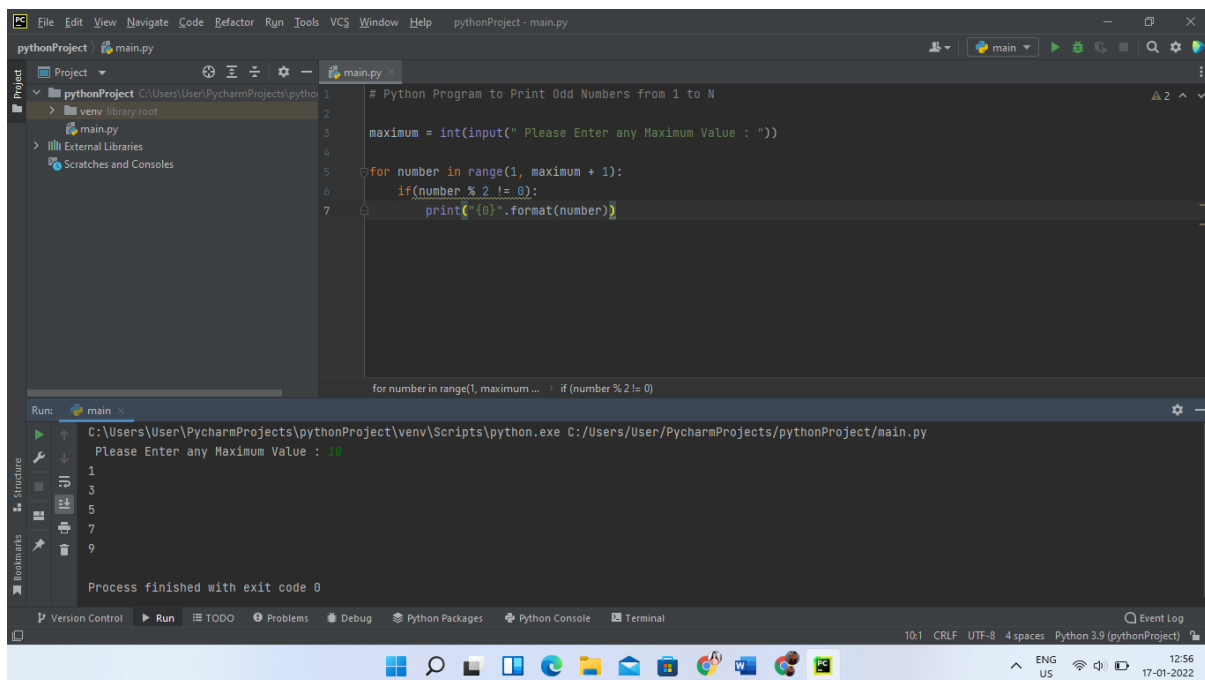
C:\Users\User\PycharmProjects\pythonProject\venv\Scripts\python.exe C:/Users/User/PycharmProjects/pythonProject/main.py

Please Enter the Maximum Value : 10

2
4
6
8
10

Process finished with exit code 0

8. Python Program to print Odd Numbers from 1 to 100
Code and Output:



```
# Python Program to Print Odd Numbers from 1 to N
maximum = int(input(" Please Enter any Maximum Value : "))
for number in range(1, maximum + 1):
    if(number % 2 != 0):
        print("{0}".format(number))
```

Run: main

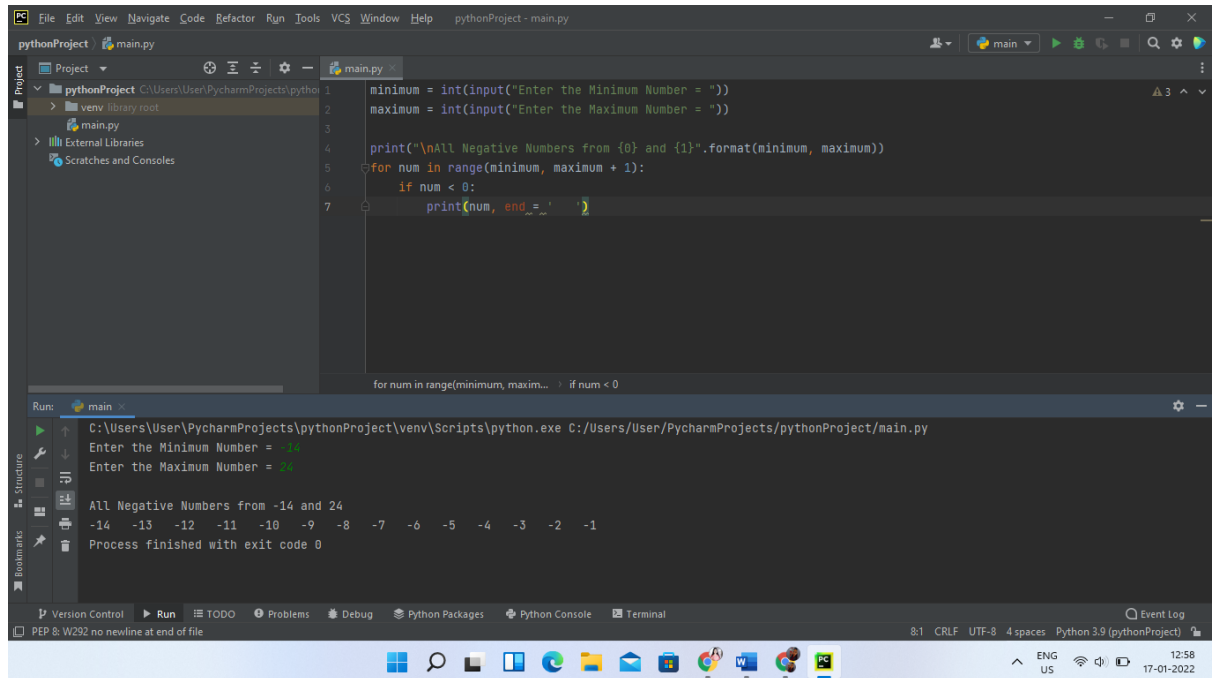
C:\Users\User\PycharmProjects\pythonProject\venv\Scripts\python.exe C:/Users/User/PycharmProjects/pythonProject/main.py

Please Enter any Maximum Value : 10

1
3
5
7
9

Process finished with exit code 0

9. Python Program to print Negative Numbers in a range
Code and Output:



The screenshot shows the PyCharm IDE with a Python project named 'pythonProject'. The file 'main.py' is open, containing the following code:

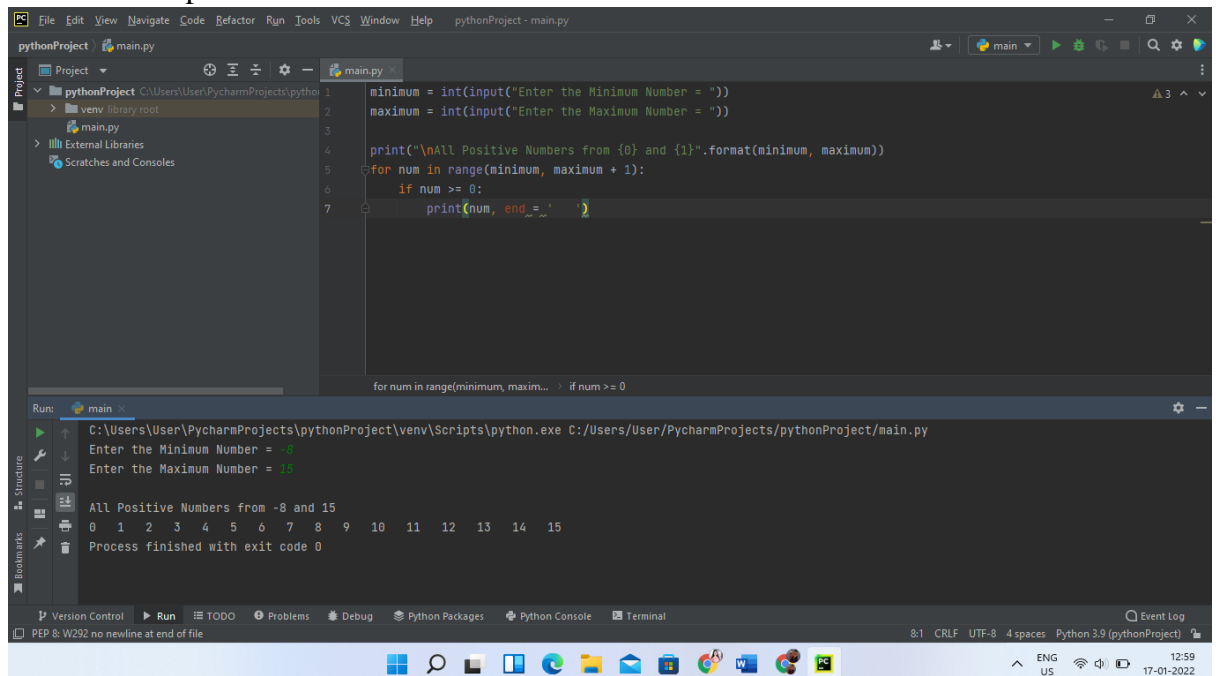
```
1 minimum = int(input("Enter the Minimum Number = "))
2 maximum = int(input("Enter the Maximum Number = "))
3
4 print("\nAll Negative Numbers from {0} and {1}:".format(minimum, maximum))
5 for num in range(minimum, maximum + 1):
6     if num < 0:
7         print(num, end = ' ')
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93
94
95
96
97
98
99
100
```

The Run window shows the execution of the program. The user entered -14 for the Minimum Number and 24 for the Maximum Number. The output is:

```
All Negative Numbers from -14 and 24
-14 -13 -12 -11 -10 -9 -8 -7 -6 -5 -4 -3 -2 -1
Process finished with exit code 0
```

10. Python program to print Positive Numbers in a range

Code and Output:



The screenshot shows the PyCharm IDE with a Python project named 'pythonProject'. The file 'main.py' is open, containing the following code:

```
1 minimum = int(input("Enter the Minimum Number = "))
2 maximum = int(input("Enter the Maximum Number = "))
3
4 print("\nAll Positive Numbers from {0} and {1}:".format(minimum, maximum))
5 for num in range(minimum, maximum + 1):
6     if num >= 0:
7         print(num, end = ' ')
8
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95
96
97
98
99
100
```

The Run window shows the execution of the program. The user entered -8 for the Minimum Number and 15 for the Maximum Number. The output is:

```
All Positive Numbers from -8 and 15
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Process finished with exit code 0
```