

pythonProject - main.py

```
1 #Roll no-4225
2
3 # To display Fibonacci series
4 num = int(input("Enter how many number you want to display:"))
5 a = 0
6 b = 1
7 c = 2
8 print("Fibonacci Series is")
9 print(a)
10 print(b)
11 while(c<num):
12     d = a + b
13     print(d)
14     a = b
15     b = d
16     c += 1
17
```

Run: main

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

Enter how many number you want to display:10

Fibonacci Series is

0

1

1

2

3

5

8

13

21

34

Process finished with exit code 0

17:1 CRLF UTF-8 4 spaces Python 3.9 (pythonProject)

7:21 PM 12/11/2021

pythonProject - main.py

pythonProject main.py

```
1 #roll no- 4225
2
3 #sum of digits
4 n=int(input("Enter a number:"))
5 sum = 0
6 while(n>0):
7     rem = n%10
8     sum = sum + rem
9     n=int(n/10)
10 print("the sum of digits is:" sum)
```

Run: main

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

Enter a number:678

the sum of digits is: 8

the sum of digits is: 15

the sum of digits is: 21

Process finished with exit code 0

while (n>0)

8:1 CRLF UTF-8 4 spaces Python 3.9 (pythonProject)

7:25 PM 12/11/2021

pythonProject - main.py

pythonProject main.py

```
1 #roll no- 4225
2
3 #reverse of a number
4 n = int(input("Enter the number:"))
5 rev = 0
6 while (n>0):
7     rem = n%10
8     rev = (rev*10)+rem
9     n = int(n/10)
10 print("Reverse of number is :".rev)
```

Run: main

C:\Users\Admin\PycharmProjects\pythonProject\venv\Scripts\python.exe
Enter the number:785
Reverse of number is : 5
Reverse of number is : 58
Reverse of number is : 587
Process finished with exit code 0

while (n>0)

PEP 8: W292 no newline at end of file

10:40 CRLF UTF-8 4 spaces Python 3.9 (pythonProject)

7:29 PM 12/11/2021

pythonProject - main.py

```
1 #roll no- 4225
2
3 #python program t check whether is an Armstrong number or not
4 n = int(input("Enter the number:"))
5 num = n
6 sum = 0
7
8 while n > 0:
9     rem = n % 10
10    sum = sum+rem*rem*rem
11    n=int(n/10)
12    if num == sum:
13        print(num, "is an Armstrong number")
14    else:
15        print(num, "is not an armstrong number")
```

Run: main

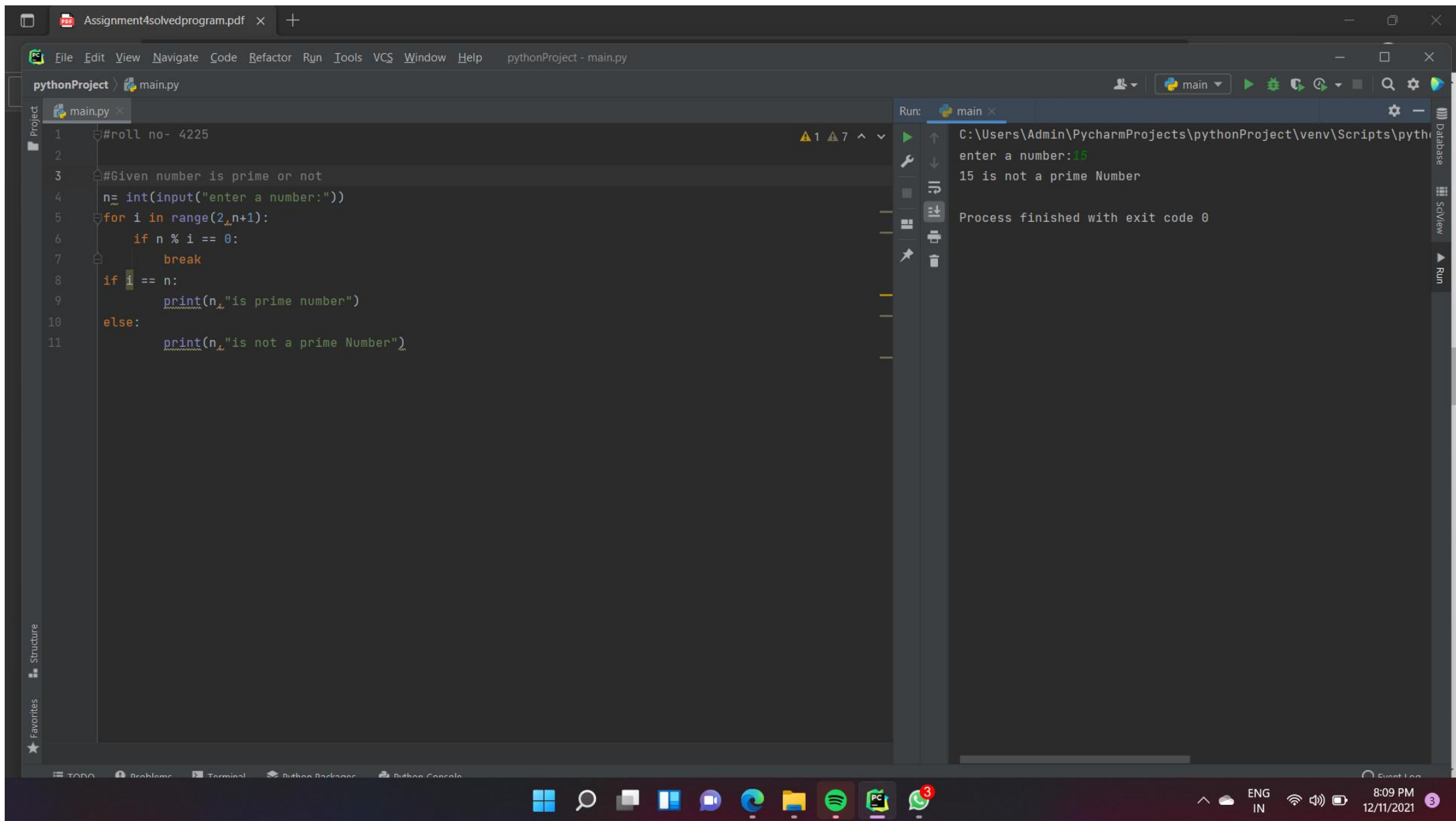
```
C:\Users\Admin\PycharmProjects\pythonProject\venv\Scripts\python...
Enter the number:153
153 is not an armstrong number
153 is not an armstrong number
153 is an Armstrong number

Process finished with exit code 0
```

while n > 0 > else

8:1 CRLF UTF-8 4 spaces Python 3.9 (pythonProject)

7:36 PM 12/11/2021



pythonProject - main.py

pythonProject main.py

```
1 #roll no- 4225
2
3 #All even number between 1 and 10
4 sum = 0
5 for i in range(0,11,2):
6     print(i)
7     sum = sum + i
8     print("Sum of Even number=" + sum)
9
```

Run: main

C:\Users\Admin\PycharmProjects\pythonProject\venv\Scripts\python.exe C:/Users/Admin/...

0
Sum of Even number= 0
2
Sum of Even number= 2
4
Sum of Even number= 6
6
Sum of Even number= 12
8
Sum of Even number= 20
10
Sum of Even number= 30

Process finished with exit code 0

3:34 CRLF UTF-8 4 spaces Python 3.9 (pythonProject)

8:15 PM 12/11/2021

pythonProject - main.py

pythonProject main.py

```
1 # roll no- 4225
2
3 # program to display pyramid
4 for i in range(1, 6):
5     for j in range(1, i + 1):
6         print(j, end=' ')
7     print()
8
```

Run: main

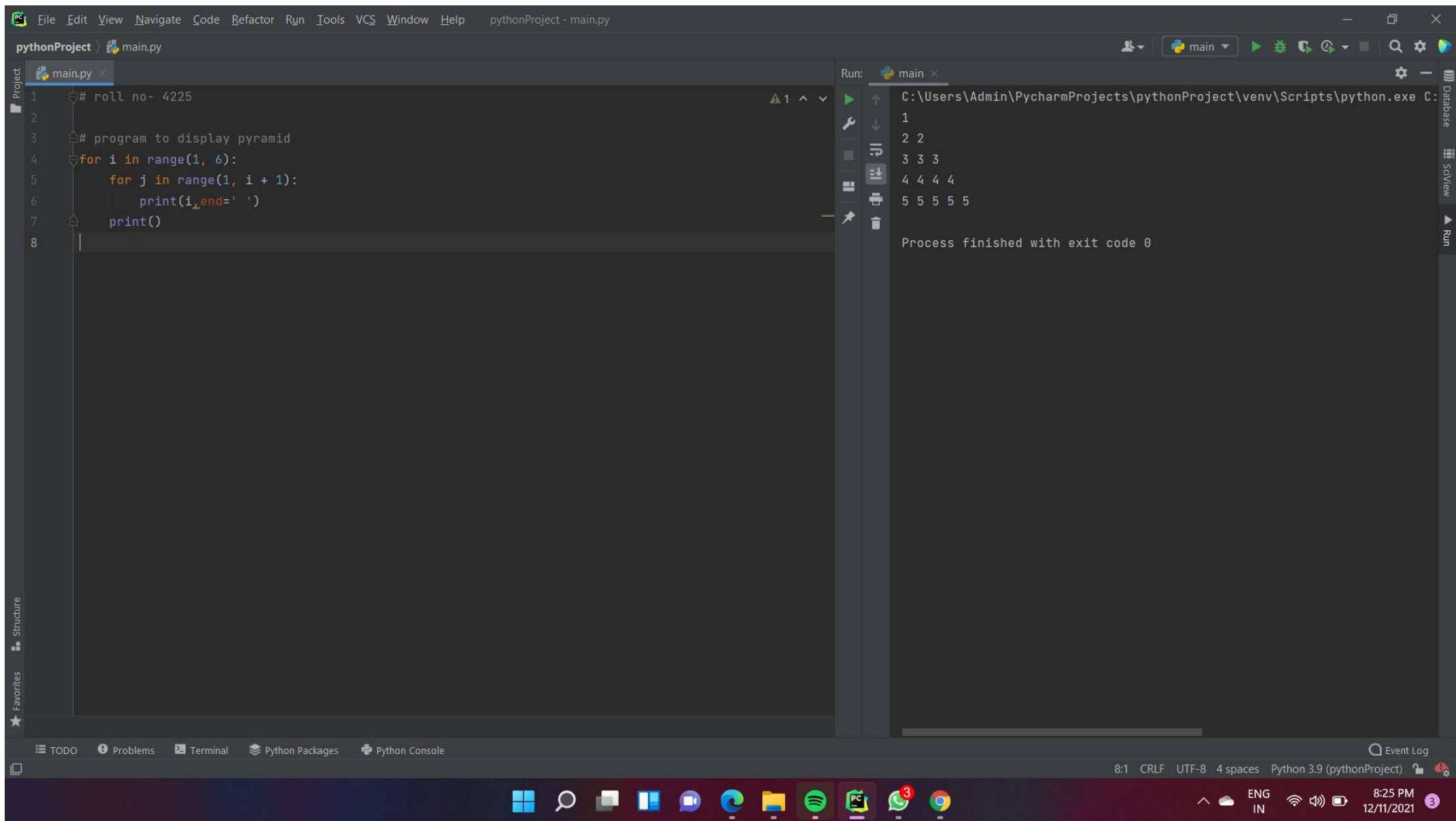
C:\Users\Admin\PycharmProjects\pythonProject\venv\Scripts\python.exe C:/Users

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

Process finished with exit code 0

3:1 CRLF UTF-8 4 spaces Python 3.9 (pythonProject)

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pythonProject - main.py

pythonProject main.py

```
1 # roll no- 4225
2
3 # Program to display pyramid
4
5 count = 1
6 for i in range(1,5):
7     for j in range(1,i+1):
8         print(count,end=' ')
9         count = count+1
10    print()
```

Run: main

C:\Users\Admin\PycharmProjects\pythonProject\venv\Scripts\python.exe C

```
1
2 3
4 5 6
7 8 9 10
```

Process finished with exit code 0

for i in range(1,5) for j in range(1,i+1)

8:28 CRLF UTF-8 4 spaces Python 3.9 (pythonProject)

8:30 PM 12/11/2021

pythonProject - main.py

pythonProject main.py

```
1 # roll no- 4225
2
3 #program to display pyramid
4 for row in range(1,5):
5     for sp in range(1,5-row):
6         print(' ',end=' ')
7     for col in range(1,row+1):
8         print(col, end=' ')
9     for erow in range(col-1,0,-1):
10        print(erow,end=' ')
11 print()
```

Run: main

C:\Users\Admin\PycharmProjects\pythonProject\venv\Scripts\python.exe

```
1
1 2 1
1 2 3 2 1
1 2 3 4 3 2 1
```

Process finished with exit code 0

for row in range(1,5)

PEP 8: W292 no newline at end of file

11:12 CRLF UTF-8 4 spaces Python 3.9 (pythonProject)

8:36 PM 12/11/2021