Artificial Intelligence

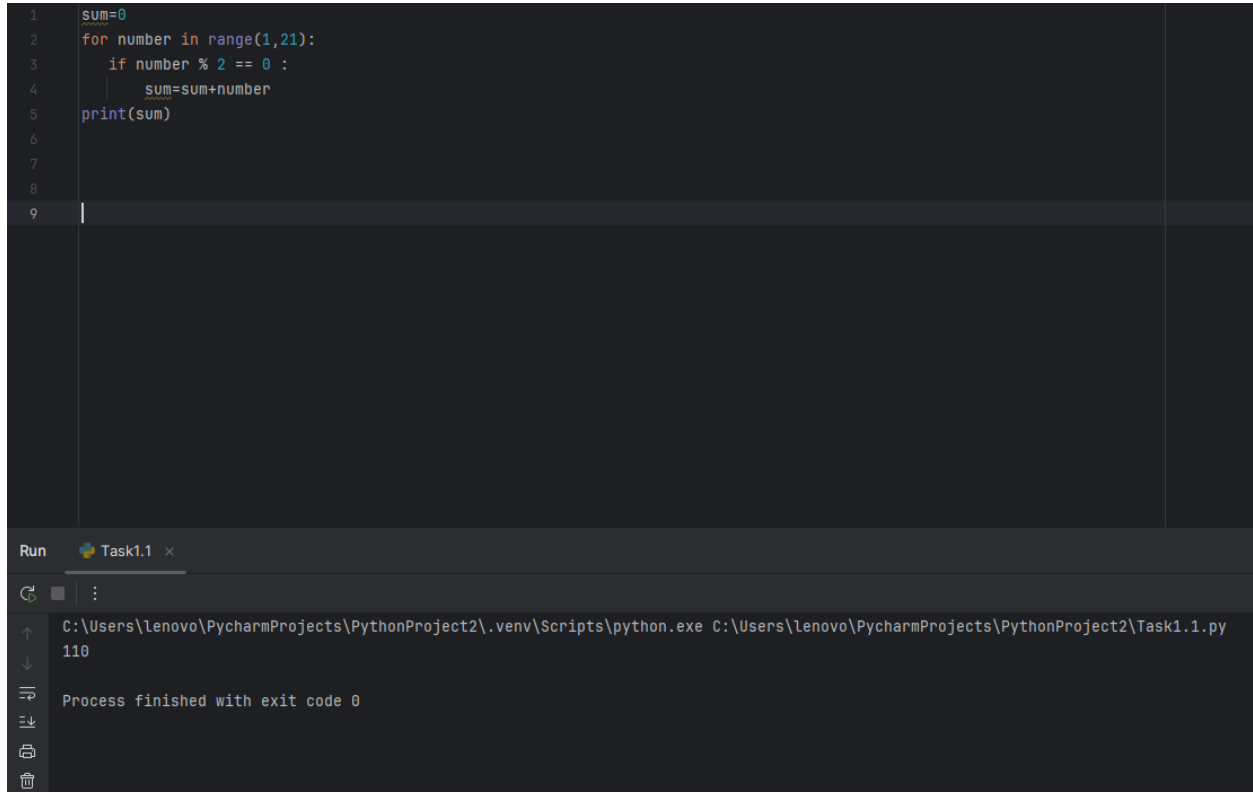**Lab 04**

Name: Hajira Imran

Sap ID: 44594

Submitted to: Ma'am Ayesha Akram

Batch: BSCS-6th semester

Task 01

```
sum=0
for number in range(1,21):
    if number % 2 == 0 :
        sum=sum+number
print(sum)
```

Run   Task1.1 ×

```
C:\Users\lenovo\PycharmProjects\PythonProject2\.venv\Scripts\python.exe C:\Users\lenovo\PycharmProjects\PythonProject2\Task1.1.py
110

Process finished with exit code 0
```

Task 02

```
1    list=[9,2,3,4,5,6]
2    minimum=min(9,2,3,4,5,6)
3    print(minimum)
```

Run   🐍 1.2 ×

C:\Users\lenovo\PycharmProjects\PythonProject2\.venv\Scripts\python.exe C:\Users\lenovo\P
2

Process finished with exit code 0

Task 03

```
list=[1,2,"Ayesha", "Minha", 20.5]
print(list)
list2=[3,5]
list.extend(list2)
print(list)
```

Task 04

```
1   factorial=1
2   num=int(input("Enter a number:"))
3   if num > 0 :
4       print(num)
5   else:
6       print("wrong input")
7   i=num
8   while  i > 1:
9       factorial *= i
10      i= i-1
11  print(factorial)
```

Run   task1.4 ×

```
C:\Users\lenovo\PycharmProjects\PythonProject2\.venv\Scripts\python.exe C:\Users\lenovo\PycharmPr
Enter a number:5
5
120

Process finished with exit code 0
```

Task 05

```python
letters= input("enter a letter:")
print(letters)

list =['A ','E' ,'I' , 'O' , 'U' , 'a' , 'e' ,'i','o','u']
if letters in list :
    print("letters is vowel")
else:
    print("constant")
```