# TASK 2

1) Python program to print all the even numbers within a given range.

## **PROGRAM**

# **OUTPUT**

```
PS C:\Users\Admin\Desktop\task> & C:\Users\Admin\AppData\Local\Programs\Python\Python311\python.exe c:\Users\Admin\Desktop\task\Programs\Python\Python311\python.exe c:\Users\Admin\Desktop\task\Programs\Python\Python311\python.exe c:\Users\Admin\Desktop\task> & C:\Users\Desktop\task> & C:\Users\Desktop\task\Desktop\task> & C:\Users\Desktop\task\Desktop\task\Desktop\t
```

2) Python program to calculate the sum of odd numbers within the given range.

#### **PROGRAM**

```
oddsum.py > ...
lower=int(input("enter lower limit:"))
upper=int(input("enter upper limit:"))
sum=0
for i in range(lower,upper+1):
    if i%2!=0:
        sum+=i
print(f"sum of odd numbers within {lower} and {upper} : {sum}")
```

# **OUTPUT**

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\Admin\Desktop\task> & C:\Users\Admin\AppData\Local\Programs\Python\Python311\python.exe c:\Users\Admin\Desktop\task\Python\Python311\python.exe c:\Users\Admin\Desktop\task\Python\Python311\python.exe c:\Users\Admin\Desktop\task\Python\Python311\python.exe c:\Users\Admin\Desktop\task\Python\Python311\python.exe c:\Users\Admin\Desktop\task\Python\Python311\python.exe c:\Users\Admin\Desktop\task\Python\Python311\python.exe c:\Users\Admin\Desktop\task\Python\Python\Python311\python.exe c:\Users\Admin\Desktop\task\Python\Python\Python311\python.exe c:\Users\Admin\Desktop\task\Python\Python\Python311\python.exe c:\Users\Admin\Desktop\task\Python\Python\Python311\python.exe c:\Users\Admin\Desktop\task\Python\Python\Python311\python.exe c:\Users\Admin\Desktop\task\Python\Python\Python311\python.exe c:\Users\Admin\Desktop\task\Python\Python\Python311\python.exe c:\Users\Admin\Desktop\task\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Pyt
```

3) Python program to check if the given string is a palindrome or not.

# **PROGRAM**

```
palindrome.py > ...

string=input("enter string:")

length=len(string)-1

result=""

for i in range(length,-1,-1):
    result+=string[i]

print("palindrome" if result==string else "not palindrome")
```

#### **OUTPUT**

```
PS C:\Users\Admin\Desktop\task> & C:\Users\Admin\AppData\Local\Programs\Python\Python311\python.exe c:\Users\Admin\Desktop\task\palindrome.py enter string:malayalam palindrome
PS C:\Users\Admin\Desktop\task> & C:\Users\Admin\AppData\Local\Programs\Python\Python311\python.exe c:\Users\Admin\Desktop\task\palindrome.py enter string:hello not palindrome
PS C:\Users\Admin\Desktop\task> \[ \] C:\Users\Admin\Desktop\task\palindrome \[ \] Ports

| \text{ | Desktop | Task | Python | P
```

4) Python program to check if a given number is an Armstrong number.

#### **PROGRAM**

#### **OUTPUT**

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\Admin\Desktop\task> & C:\Users\Admin\AppData\Local\Programs\Python\Python311\python.exe c:\Users\Admin\Desktop\task> dmin\Desktop\task> & C:\Users\Admin\AppData\Local\Programs\Python\Python311\python.exe c:\Users\Admin\Desktop\task> dmin\Desktop\task> & C:\Users\Admin\AppData\Local\Programs\Python\Python311\python.exe c:\Users\Admin\Desktop\task> dmin\Desktop\task> & C:\Users\Admin\Desktop\task> & C:\Use
```

5) Python program to get the Fibonacci series between 0 to 50.

#### **PROGRAM**

#### **OUTPUT**

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\Admin\Desktop\task> & C:\Users\Admin\AppData\Local\Programs\Python\Python\9thon\9thon\9thon\9thon\extra{1/python.exe} c:\Users\Admin\Desktop\task\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\9thon\
```

6) Python program to check given number is prime or not.

# **PROGRAM**

# **OUTPUT**

```
PS C:\Users\Admin\Desktop\task> & C:\Users\Admin\AppData\Local\Programs\Python\Python311\python.exe c:\Users\Admin\Desktop\task> Python + \circ \limin \cdots \cdot
```