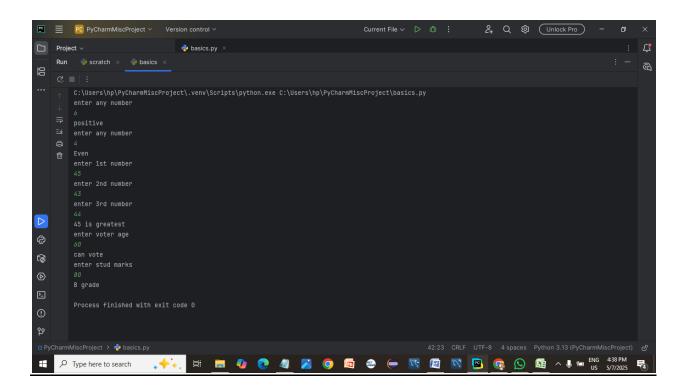
Hands_on: Conditional_Statements

```
if (num>0):
elif(num<0):</pre>
num=int(input("enter any number\n"))
num1=int(input("enter 1st number\n"))
if(num1>num2):
    if (num1>num3):
        print(str(num3)+" is greatest")
if (age > = 18):
stud=int(input("enter stud marks"))
if(stud>85):
elif(stud>65 and stud <=85):
```

```
else:
   print("Fail!!!")
```

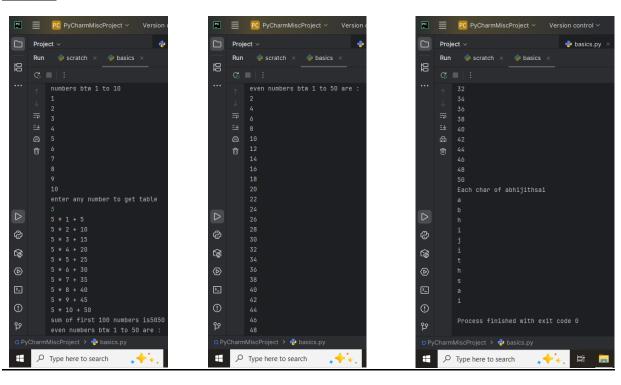
Output)



```
'''Exercise 6: Print numbers from 1 to 10 using a for loop
# Exercise 7: Print the multiplication table of a given number
# Exercise 8: Calculate the sum of numbers from 1 to 100
# Exercise 9: Print all even numbers between 1 and 50
# Exercise 10: Loop through a string and print each character'''

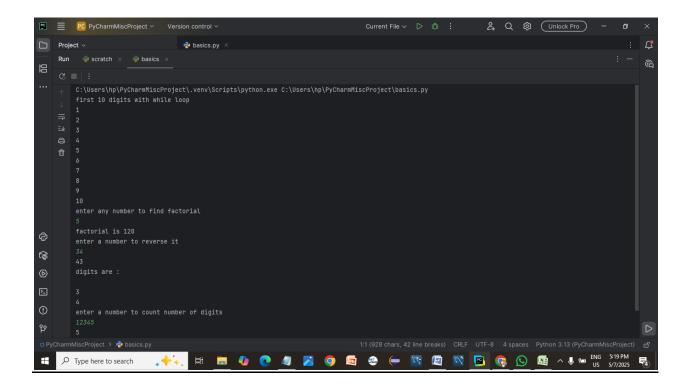
#exer6
print("numbers btw 1 to 10")
for i in range(1,11):
    print(i)
#exer7
num=int(input("enter any number to get table\n"))
for i in range(1,11):
    print(str(num)+" * "+str(i)+" + "+str(num*i))
#exer8
tot=0
for i in range(1,101):
    tot=tot+i
print("sum of first 100 numbers is"+str(tot))
print("even numbers btw 1 to 50 are :")
#exer9
for i in range(1,51):
    if(i%2==0):
        print(i)
print("Each char of abhijithsai")
#exer10
name="abhijithsai"
for i in name:
    print(i)
```

Output)



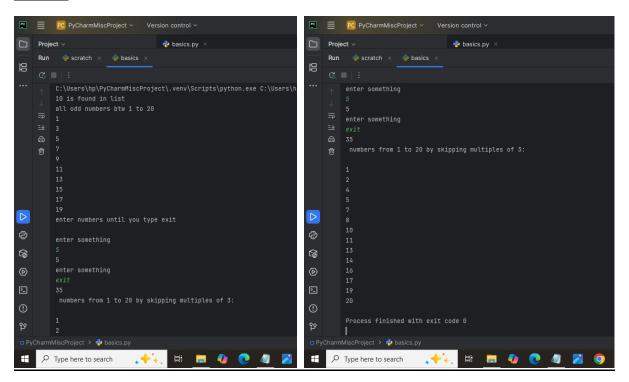
```
print("first 10 digits with while loop")
num=1
    num=num+1
fact=1
while(num>0):
    fact=fact*num
    num=num-1
num=int(input("enter a number to reverse it\n"))
sum=0
while(num>0):
    rem=num%10
    sum=sum*10+rem
print(sum)
print("digits are :\n")
num=sum
    rem=num%10
   num=num//10
num=int(input("enter a number to count number of digits\n"))
count=0
temp=num
print(count)
```

Output)



```
'Exercise 16: Exit loop when a number is found (break)
list a=[1,2,3,4,5,6,10,9,8,7]
temp=0
    if(i==10):
        temp=1
if (temp==0):
    if(i%2==0):
    userInp=input("enter something\n")
    print(userInp)
num=num1*num2
while(num2>0):
    temp=num1
    num1=num2
    num2=temp%num2
hcf=num1
print(num//hcf)
print(" numbers from 1 to 20 by skipping multiples of 3:\n")
    if(i%3!=0):
```

Output)



```
"'Exercise 21: Use nested if to check if a number is in a range and even
# Exercise 22: Nested loops to print a pattern (e.g. triangle of stars)
# Exercise 23: Print all prime numbers between 1 and 50'''
#exer21
num=int(input("enter any number to check if a number is in a range and
even\n"))
if (num\secondary = 0):
    if (num\secondary = 0):
        print("number is between 50 and 100 and it is a even number")
    else:
        print("number is even but not in 50 to 100")

else:
    print("not even")
#exer22
for i in range(0,5):
    out=""
    for j in range(0,i+1):
        out+="* "
        print(out)
#exer23
print("Prinmes between 1 to 50")
for i in range(2,51):
        temp=0
    for j in range(2,int(i**0.5)+1):
        if(i\secondary = 0):
             temp=1
             break

if (temp==0):
        print(i)
```

Output)

