①

```
i=0
while i<9:
    i=i+1
    print(i)
```

②

```
n=4
for i in range(n):
    for j in range(1,n):
        print("1", end=" ")
    print()
```

③

```
a=int(input("enter number"))
sum=0
for i in range(a+1):
    print(i)
    sum+=i
print(sum)
```

④

```
a=int(input("enter n
for i in range(1,11):
    print(a,"x",i,"=",a*
```

→ 5)

```
a=[45,56,78,9,56]
for i in a:
    print(i)
```

6)

```
→ num=input("enter the number")
print("the digit in num is",len
```

7)

```
L=[1,2,3,4,5,6,7,8]
L.reverse()
for i in L:
    print(i)
```

8)

```
→ a=10
b=0
for i in range(a,b)
    print(i)
```

9)

```
for i in range(10,15):
    print(i)
else:
    print("done")
```

(10)

```
num=24567
Reversed_num=0
while num!=0
    digit=num%10
Reversed num*10+digit
num//=10
print("Reversed number:"+str(rev
```

(11) # First Two number

```
num1, num2 = 0, 1
print("Fibonacci Sequence:")
for i in range(10):
    print(num1, end=" ")
    res = num1 + num2
    num1 = num2
    num2 = res
```

(12) start = 1
end = 50

```
print("prime number between", start, "and", end, "are")
for num in range(start, end+1)
    if num > 1:
        for in range(2, num):
            if (num % i) == 0:
                break
        else:
            print(num)
```

13) →

```
mylist = [21, 44, 35, 11]
for index, val. in enumerate(my_list):
    print(index, val).
```

(14)

```
num = int(input("enter a number"))
factorial = 1
if num < 0:
    print("Sorry, Factorial does Not exist")
elif num == 0:
    print("The Factorial of 0 is 1")
else:
    for i in range(1, num+1):
        factorial = factorial * i
    print("The Factorial of", num, "is", Factorial
```

(15)

```
l = [1, 2, 3, 4]
cube = []
for i in l:
    cube.append(i*i*i)
print(cube)
```

(16)

```
num = 7
sum = 0
for i in range(num+1):
    sum += i
print(sum)
```

(17)

```
oddlist = [23, 45, 67, 103, 102]
l = 0
while i < len(oddlist):
    print(oddlist[i], end " ")
    i = i+2
```