```
for j in range(2,11):
 for i in range(1, 11):
   print((j*i),end=" ")
 print("\t")
```

```
    2 4 6 8 10 12 14 16 18 20
    3 6 9 12 15 18 21 24 27 30
    4 8 12 16 20 24 28 32 36 40
    5 10 15 20 25 30 35 40 45 50
    6 12 18 24 30 36 42 48 54 60
    7 14 21 28 35 42 49 56 63 70
    8 16 24 32 40 48 56 64 72 80
    9 18 27 36 45 54 63 72 81 90
    10 20 30 40 50 60 70 80 90 100
```

```
i=2
j=1
while i<11:
   while j<11:
     print(i*j,end="\n")
     j+=1
     print(end=" ")

   i+=1
   j=1
```

```
     20
     25
     30
     35
     40
     45
     50
     6
     12
     18
     24
     30
     36
     42
     48
     54
     60
     7
     14
     21
     28
     35
     42
     49
     56
     63
     70
     8
     16
     24
     32
     40
     48
     56
     64
     72
     80
     9
     18
     27
     36
     45
     54
     63
     72
     81
     90
     10
     20
     30
     40
     50
     60
     70
     80
     90
     100
```

```
number1 = int(input('Enter First number : '))
number2 = int(input('Enter Second number : '))
number3 = int(input('Enter Third number : '))
def largest(num1, num2, num3):
    if (num1 > num2) and (num1 > num3):
        largest_num = num1
    elif (num2 > num1) and (num2 > num3):
        largest_num = num2
    else:
        largest_num = num3
    print("The largest of the 3 numbers is : ", largest_num)
def smallest(num1, num2, num3):
    if (num1 < num2) and (num1 < num3):
        smallest_num = num1
    elif (num2 < num1) and (num2 < num3):
        smallest_num = num2
    else:
        smallest_num = num3
    print("The smallest of the 3 numbers is : ", smallest_num)
largest(number1, number2, number3)
smallest(number1, number2, number3)
```

```
 Enter First number : 23
 Enter Second number : 54
 Enter Third number : 43
 The largest of the 3 numbers is :  54
 The smallest of the 3 numbers is :  23
```

```
5
def Average(lst):
    sum_of_list = 0
    for i in range(len(lst)):
        sum_of_list += lst[i]
    average = sum_of_list/len(lst)
    return average

lst = []

n = int(input("Enter number of elements : "))
for i in range(0, n):
    ele = int(input())
    lst.append(ele)
average = Average(lst)
print("Average of the list =", round(average, 2))
```

```
 Enter number of elements : 2
 32
 5
 Average of the list = 18.5
```

```
integer = 42
print("Integer:", integer)
print("Integer + 10:", integer + 10)

float = 3.14
print("Float:", float)
print("Float * 2:", float * 2)

string = "Hello, Python!"
print("String:", string)
print("String concatenated:", string + " Welcome!")

bool = True
print("Boolean:", bool)
print("Negation:", not bool)

list = [1, 2, 3, 4, 5]
print("List:", list)
print("List length:", len(list))

tuple = (10, 20, 30)
print("Tuple:", tuple)
```

```
print("Accessing tuple element:", tuple[1])

set = {1, 2, 2, 3, 4, 4, 5}
print("Set:", set)
print("Set union:", set | {5, 6, 7})

dict = {'a': 1, 'b': 2, 'c': 3}
print("Dictionary:", dict)
print("Value associated with 'b':", dict['b'])

none = None
print("NoneType:", none)

complex = 2 + 3j
print("Complex:", complex)
print("Real part:", complex.real)
print("Imaginary part:", complex.imag)
```

```
Integer: 42
Integer + 10: 52
Float: 3.14
Float * 2: 6.28
String: Hello, Python!
String concatenated: Hello, Python! Welcome!
Boolean: True
Negation: False
List: [1, 2, 3, 4, 5]
List length: 5
Tuple: (10, 20, 30)
Accessing tuple element: 20
Set: {1, 2, 3, 4, 5}
Set union: {1, 2, 3, 4, 5, 6, 7}
Dictionary: {'a': 1, 'b': 2, 'c': 3}
Value associated with 'b': 2
NoneType: None
Complex: (2+3j)
Real part: 2.0
Imaginary part: 3.0
```