1 Write a function that inputs a number and prints the multiplication table of that number

```
In [4]:  def multi():
             print("Multiplication Table")
             number=int(input("Enter The Number = "))

             for i in range(1,11):
                 print(i,"*",number,"=",i*number)
         multi()

         Multiplication Table
         Enter The Number = 10
         1 * 10 = 10
         2 * 10 = 20
         3 * 10 = 30
         4 * 10 = 40
         5 * 10 = 50
         6 * 10 = 60
         7 * 10 = 70
         8 * 10 = 80
         9 * 10 = 90
         10 * 10 = 100
```

2 Write a Python program to sort a list of dictionaries using Lambda

```
In [7]:  list1=[{"name":"ajith","age":26},{"name":"vishnu","age":25},{"name":"malavika","age":18}]
         after_sorted = sorted(list1, key = lambda x: x['age'])
         print("Sorted By Age  = ",after_sorted)

         Sorted By Age  = [{'name': 'malavika', 'age': 18}, {'name': 'vishnu', 'age': 25}, {'name': 'ajith', 'age': 26}]
```

3 Create a lambda function that adds 15 to a given number passed in as an argument

```
In [9]:  add=lambda x:x+15
         print("Result = ",add(10))

         Result =  25
```

4 write a program using each built-in functions:

type()

max()

min() abs() round() sorted()

```
In [10]:  # Using Type() program

          name=input("Enter Your Name = ")
          age=int(input("Enter Your Age =  "))
          height=float(input("Enter Your Height = "))

          print("The Type of Name = ",type(name))
          print("The Type of Age = ",type(age))
          print("The Type of Height = ",type(height))

          Enter Your Name = ajith
          Enter Your Age =  26
          Enter Your Height = 160.5
          The Type of Name =  <class 'str'>
          The Type of Age =   <class 'int'>
          The Type of Height =  <class 'float'>
```

```
In [13]:  # Using max() program

          list1=[100,150,55,200,170,1000,1,25,0,45]
          print("The Largest Value = ",max(list1))

          The Largest Value =  1000
```

```
In [14]:  # Using min() program

          list1=[100,150,55,200,170,1000,1,25,0,45]
          print("The smallest Value = ",min(list1))

          The smallest Value =  0
```

```
In [16]:  # Using abs() program
          # abs() Return the absolute value of a number:


          x=int(input("Enter The Value Of X = "))
          y=int(input("Enter The Value Of y = "))

          print("Result of x+y = ",abs(x+y))
          print("Result of x-y = ",abs(x-y))
          print("Result of x*y = ",abs(x*y))
          print("Result of x/y = ",abs(x/y))

          Enter The Value Of X = 15
          Enter The Value Of y = 2
          Result of x+y =  17
          Result of x-y =  13
          Result of x*y =  30
          Result of x/y =  7.5
```

```
In [19]:  # Using round() program

          number=float(input("Enter The float Number = "))

          print("Round Of Number = ",round(number))

          Enter The float Number = 7.999
          Round Of Number =  8
```

```
In [21]:  # Using sorted() program

          age=[1,25,14,78,100,33,85,99,2]
          print("Ascending order Of Age = ",sorted(age))

          Ascending order Of Age =  [1, 2, 14, 25, 33, 78, 85, 99, 100]
```

```
In [ ]:
```