**Assignment # 2**

1. **Write a program which takes 5 inputs from user for different subject’s marks, total it and generate mark sheet using grades ?**

subject1=int(input("Enter marks of the first subject: "))

subject2=int(input("Enter marks of the second subject: "))

subject3=int(input("Enter marks of the third subject: "))

subject4=int(input("Enter marks of the fourth subject: "))

subject5=int(input("Enter marks of the fifth subject: "))

totalMarks=(subject1+subject2+subject3+subject4+subject5)/5

if(totalMarks>=90):

print("Your Grade is: A")

elif(totalMarks>=80 and totalMarks<90):

print("Your Grade is: B")

elif(totalMarks>=70 and totalMarks<80):

print("Your Grade is: C")

elif(totalMarks>=60 and totalMarks<70):

print("Your Grade is: D")

else:

print("Your Grade is: F")

1. **Write a program which take input from user and identify that the given number is even or odd?**

a=int(input("Please Enter a Number : "));

if(a%2==0):

print("{0} is Even Number".format(a))

else:

print("{0} is Odd Number".format(a))

1. **Write a program which print the length of the list?**

list = [0,1,2,3,4,5,6,7,8]

print("The Lenght of List is:",len(list))

1. **Write a Python program to sum all the numeric items in a list?**

NumList = [1,2,3,4,5,6,7,8,9,10]

print(sum(NumList))

**5. Write a Python program to get the largest number from a numeric list.**

NumList = [50,20,90,200,100,150,80,70,80,90,2]

print(max(NumList))

1. **Take a list, say for example this one: a = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89] and write a program that prints out all the elements of the list that are less than 5.**

a = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89]

new\_list = []

for item in a:

if item < 5:

new\_list.append(item)

print(new\_list)