**Assessment -4**

**1.Write a program to sort a map by value ?**

2.Find longest substring without repeating characters using scanner ?

**3.Write a program to Multiply two matrices ?**

4.Java Program To Find Continuous Sub Array In Array Whose Sum Is Equal To Number?

5.How To Create Spiral Of Numbers (Spiral Matrix) In Java?

1 2 3 4

12 13 14 5

11 16 15 6

10 9 8 7

**6.Write a program to take data from emp file and prepare department wise separate list of data using Map ?**

**7.Design a servlet application it should take input data from the user and needs to save those data into database and**

**while click on show data you should retrieve data from DB and show to user ?**

**fields: firstName**

**LastName**

**Date of birth**

**Gender**

**Department(java,DB,Functional,support)**

**8.Write a program for Integer array sorting without using sort method ?**

**9. Write a program that below lists data should be same without using loops?**

**input:**

**list1=["Java","Servlets","JDBC","CoreJava","Hibernate"]**

**list2=["Java","Servlets","JDBC","CoreJava","Spring","JSP"]**

**output:**

**list2=["Java","Servlets","JDBC","CoreJava"]**

**10. Write program for concat two files data into one excel ?**