**Answer to the question no 01**

public class Main {

public static void main(String[] Strings){

Scanner input = new Scanner (System.in);

System.out.print("Input the first number: ");

int a = input. nextInt();

System.out.print("Input the second number: ");

int r = input. nextInt();

System.out.print("Input the third number: ");

int p = input. nextInt();

System.out.print("Input the fourth number: ");

int n = input. nextInt();

int term1 = Math.pow(3, 2);

int term2 = Math.pow(4, 2);

int term3 = Math.pow(5, 2);

int term4 = Math.pow(6, 2);

int term5 = Math.pow(7, 2);

double result = a + term1 + term2 + term3 + term4 + term5;

System.out.println("The result is : " +result);

**Answer to the question no 02(a)**

The function will return 40

**Answer to the question no 02(b)**

10,9,8,7,6,5,4,3,2,1

**Answer to the question no 05**

Applying kruskals Algorithm to the given graph:

We found 13 edges and 8 vertices.so the minimum spanning tree formed will be having (8-1)=7 edges.

After sorting,

