Array of Primitive Type
Set 1 (15 marks)

1. Given an array declaration below, answer the following questions.

```
int [ ] num = new int [ 6  ]
```

What is the content of `num[]`, after these statements are executed?[3 marks]

```
int j=3, index=6
num[0]= 2;
num [1] = 10;
num[2] = 15;
num[3]= num[j-1] + num[j-2];
num[index-1]= num[j+1];
```


2. You are given a skeleton of Program 1 and the sample of output in Figure X, answer the following questions.
   a) Complete Program 1 based on the question in comments provided.[9 marks]
   b) What is the content of array `data2` after Program 1 is executed? [3 marks]

```
Enter number: 1
Enter number: 2
Enter number: 3
Enter number: 4
Enter number: 5

The content of array data1:
1.0
2.0
3.0
4.0
5.0

The minimum value of array data2 is: 1
Press any key to continue . . .
```

```
import java.util.Scanner;



class CountArray
{

public void method1 (int num) {
    num = num-5;
}

public void method2 (double[] number){
     System.out.println ("\nThe content of array data1:");
     //(i)Use enhanced for-loop to print the content of the array
//passed [1 mark]
     for (_______ item: _________)
     System.out.println (__________);
}

public void method3 (int[] dArray){

             for (int i=0; i<dArray.length; i=i+2){

             dArray[i]= dArray[i]*2;
       }
}}
public class TestArray {

  public static void main (String[] args) {
       int size = 5;
       double [] data1 = new double [size];

//(ii) declare another integer array named data2 using initializer
list and initialized with values :3, 1, 5, 7, 4 and 12    [1 mark]


       CountArray cA= new CountArray();

       //(iii) call method1 and pass the third element of array
data2 [1 mark]
```

```
       _____________________________

      Scanner in = new Scanner (System.in);
      for (int i=0; i<data1.length; i++)
      {
             System.out.print("Enter number: ");
       //(iv)assign input to element of data1 [1 mark]
            _____________________________     }

      //(v) call method2 and pass array data1 [1 mark]

           ____________________________________
       //(vi) call method  findMinimum to get the minimum value of
array data2 [1 mark]

           ____________________________________
       //(vii) call method3 and pass array data2 [1 mark]

           ____________________________________
       }

 static void findMinimum (int []num){

       int min=num[0];

//(viii) using enhanced for-loop, get the minimum value of the
array passed [3 marks]
     for ( ____ val : _____)
          {
             ___________________
             ___________________
          }

      System.out.println();
      System.out.println("The minimum value of array data2 is: " +
min );
   }


}
```