# 03. PROBLEM:

To learn use of single dimensional array by defining the array dynamically.

# SOURCECODE:

import java.io.\*;

public class single\_dimensional\_array

{

public static void main(String args[])throws IOException

{

BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

System.out.println("Enter the length of the array:");

String str=br.readLine();

int x=Integer.parseInt(str);

int a1[]=new int[x];

System.out.println("Enter elements of the array:");

for(int i=0;i<a1.length;i++)

{

str=br.readLine();

a1[i]=Integer.parseInt(str);

}

System.out.println("The one dimensional array is...");

for(int i=0;i<a1.length;i++)

{

System.out.print(a1[i]+" ");

}

}

}

# OUTPUT:

Enter the length of the array:

5

Enter elements of the array:

1

2

3

4

5

The one dimensional array is...

1 2 3 4 5

# DISCUSSION:

1.First here we import io package of java for doing io operations.

2.We create class single\_dimensional\_array and in main we take the length of the array from user and also the elements of the array.

3.After taking the array elements we print the single dimensional array using for loop.