Std 10 The Brigade School Revision worksheet 2 (2020-21)

Total points 38/40 ?

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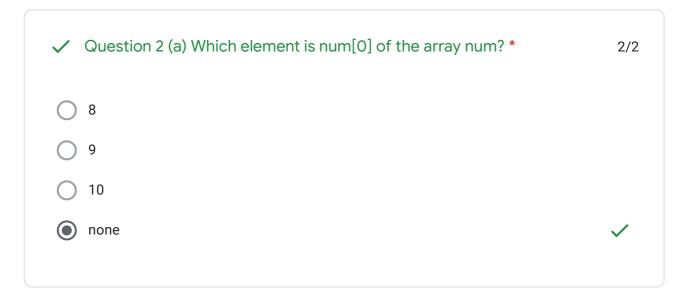
School *

◉ TBSG

○ TBSW

Part A(Marks: 10)

✓   Question 1 (a) Which of these is an incorrect array declaration? *   2/2

○   int arr[] = new int[5]

○   int [] arr = new int[5]

○   int arr[]= new int[5]

◉   int arr[] = int [5] new   ✓

Feedback

char[] c = new char[5];

Question 1 (b)
Determine output:
arr[ ]={10, 30, 30, 60};
public static void cal( )
{
  double output = 0;
  for (int i = 0; i < arr.length; i++)
  {
    output = output + arr[i];
  }
  System.out.println(output / arr.length);
}

✓   Question 1 (b) *   2/2

○   17.5

◉   32.5   ✓

○   130

○   30.0

Question 1 (c)

Determine output:
int[ ] a = {-10, -5, 1, 4, 8, 30};

public void doubleLast()
{

  for (int i = a.length / 2; i < a.length; i++)
  {
    a[i] = a[i] * 2;
  }
}

✗   Question 1 (c) *   0/2

◉   {-20, -10, 2, 8, 16, 60}   ✗

○   {-10, -5, 1, 8, 16, 60}

○   {-20, -10, 2, 4, 8, 30}

○   {-10, -5, 1, 4, 8, 30}

Correct answer

◉   {-10, -5, 1, 8, 16, 60}

✓   Question 2 (a) Which element is num[0] of the array num? *   2/2

○   8

○   9

○   10

◉   none   ✓

Question 2 (b) What is the output of the below Java program?

String[] colors = {"RED";"YELLOW";"WHITE"};
System.out.print(colors[2]);

✓ **Question 2 (b)** * 2/2

○ RED

○ YELLOW

◉ WHITE ✓

○ NONE

Part B(Marks: 30)

✓   **Question 3: Write a program using arrays to print its EVEN and ODD elements separately. ***   15/15

```
import java.util.*;
class SDA_evenodd
{
public static void main (String args[])
{
Scanner sc = new Scanner(System.in);
System.out.println("Enter 10 elements");
int a = new int [10];
for(int i=0 ; i<10 ; i++)
{
a[i] = sc.nextInt();
}
for(int i=0 ; i<10 ; i++)
{
if(a[i] % 2 == 0)
{
System.out.println("The even no.s are, ");
System.out.println(a[i]);
}
else
{
System.out.println("The odd no.s are, ");
System.out.println(a[i]);
}
}
}
}
```

VARIABLE DESCRIPTION TABLE

Variable's Name	Datatype	Description
a[]	int	SDA to store 10 elements
i	int	Loop Variable

✓   **Question 4: Write a program to print only the numbers ending with 0   15/15
and 5 in a given array. ***

```
import java.util.*;
class SDA_evenodd
{
public static void main (String args[])
{
Scanner sc = new Scanner(System.in);
System.out.println("Enter 10 elements");
int a = new int [10];
for(int i=0 ; i<10 ; i++)
{
a[i] = sc.nextInt();
}
for(int i=0 ; i<10 ; i++)
{
if(a[i] % 5 == 0)
{
System.out.println("The numbers ending with 0 and 5  are, ");
System.out.println(a[i]);
}
}
}
}
```

VARIABLE DESCRIPTION TABLE

Variable's Name	Datatype	Description
a[]	int	SDA to store 10 elements
i	int	Loop Variable

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