

DURGASOFT-Java Talent Test

Q1. Consider the code:

```
public class Test
{
    public static void main(String[] args)
    {
        String[] vowels={"a","e","i","o","u"};
        int i =0;
        String output="";
        for(String v : vowels)
        {
            i++;
            if(i==4)
                break;
            output = output+v;
        }
        System.out.println(output);
    }
}
```

What is the result?

- A) aeiou
- B) aiu
- C) iou
- D) aei

Q2. Consider the code:

```
public class Test
{
    public static void main(String[] args)
    {
        int marks=100;
        if(marks <100)
            marks += 10;
        else if(marks>100)
            marks -=10;
        else
            marks = 200;
        System.out.println(marks);
    }
}
```

What is the result?

- A) 200
- B) 110
- C) 90
- D) 100

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Q3. Consider the code:

```
public class Test
{
    public static void main(String[] args)
    {
        int marks=100;
        if(marks <= 100)
            marks += 10;
        else if(marks>100)
            marks -=10;
        else
            marks = 200;
        System.out.println(marks);
    }
}
```

What is the result?

- A) 200
- B) 110
- C) 90
- D) 100

Q4. Consider the code:

```
public class Test
{
    public static void main(String[] args)
    {
        int i =10;
        do
        {
            i=i+10;
            if(i == 20)
                continue;
            System.out.print(i);
        }
        while (i<10);
    }
}
```

- A) 20
- B) It prints nothing
- C) 1020
- D) 30

Q5. Consider the code:

```
public class Test
{
    static int result=100;
    public static int calculate()
    {
        for (int i =0;i<3;i++)
        {
            result += i;
        }
    }
}
```

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```
    }  
    return result;  
}  
public static void main(String[] args)  
{  
    int result = calculate();  
    calculate();  
    result = calculate();  
    System.out.println("The Result: "+result);  
}  
}
```

- A) The Result: 103
- B) The Result: 104
- C) The Result: 101
- D) The Result: 106
- E) The Result: 109
- F) Compilation Fails.

Q6. Consider the code:

```
public class Test  
{  
    static int result=100;  
    public static int calculate()  
    {  
        for (int i =0;i<3;i++)  
        {  
            result += i;  
        }  
        return result;  
    }  
    public static void main(String[] args)  
    {  
        int result = calculate();  
        calculate();  
        calculate();  
        System.out.println("The Result: "+result);  
    }  
}
```

- A) The Result: 103
- B) The Result: 104
- C) The Result: 101
- D) The Result: 106
- E) The Result: 109
- F) Compilation Fails.

Q7. Consider the code:

```
public class Test  
{  
    public static int calculate()  
    {  
        int result=100;
```

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```
        for (int i =0;i<3;i++)
        {
            result += i;
        }
        return result;
    }
    public static void main(String[] args)
    {
        calculate();
        calculate();
        int result = calculate();
        System.out.println("The Result: "+result);
    }
}
```

- A) The Result: 103
- B) The Result: 104
- C) The Result: 101
- D) The Result: 106
- E) The Result: 109
- F) Compilation Fails.

Q8. Consider the code:

```
public class Test
{
    public static void main(String[] args)
    {
        String[] fruits ={"Apple","Banana","Orange"};
        for (int i = 0;i<fruits.length;i++ )
        {
            switch(fruits[i])
            {
                case "Apple":
                    System.out.println("Apple");
                    continue;
                case "Banana":
                    System.out.println("Banana");
                    i = i-1;
                    continue;
                case "Orange":
                    System.out.println("Orange");
                    i = i+1;
                    break;
                default:
                    System.out.println("Fruits are injurious to Health");
            }
        }
    }
}
```

A)
Apple

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Banana
Orange
B)
Apple
Banana
C)
Apple
Banana
Banana
Banana
... Infinite times
D) It won't print anything to the console
E) Compilation Fails.

Q9. Consider the code:

```
public class Test
{
    public static void main(String[] args)
    {
        String[] fruits = {"Apple", "Banana", "Orange"};
        for (int i = 0; i < fruits.length; i++)
        {
            switch(fruits[i])
            {
                case "Apple":
                    System.out.println("Apple");
                    break;
                case "Banana":
                    System.out.println("Banana");
                    i = i-1;
                    break;
                case "Orange":
                    System.out.println("Orange");
                    i = i+1;
                    break;
                default:
                    System.out.println("Fruits are injurious to Health");
            }
        }
    }
}
```

A)
Apple
Banana
Orange
B)
Apple
Banana
C)
Apple
Banana

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Banana

Banana

... Infinite times

D) It won't print anything to the console

E) Compilation Fails.

Q10. Consider the code:

```
public class Test
{
    public static void main(String[] args)
    {
        int[][] x={{10,20},{40,50},{70}};
        for(int i =0; i<3;i++)
        {
            for (int j=0;j>i+3 ;j++ )
            {
                x[i][j] = 0;
            }
        }
        //Line-1
    }
}
```

At Line-1, the content of the array is :

A)

x[0][0] = 10

x[0][1] = 20

x[1][0] = 40

x[1][1] = 50

x[2][0] = 70

B)

x[0][0] = 0

x[0][1] = 0

x[1][0] = 0

x[1][1] = 0

x[2][0] = 0

C)

x[0][0] = 0

x[0][1] = 20

x[1][0] = 40

x[1][1] = 50

x[2][0] = 70

D)

x[0][0] = 0

x[0][1] = 0

x[1][0] = 40

x[1][1] = 50

x[2][0] = 70

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Q11. Consider the code:

```
public class Test
{
    public static void main(String[] args)
    {
        int[][] x={{10,20},{40,50},{70}};
        for(int i=0; i<3;i++)
        {
            for (int j=0;j>i+3 ;j++ )
            {
                x[i][j] = 0;
            }
        }
        for(var x1 : x)
        {
            for(var x2 : x1)
            {
                System.out.print(x2);
            }
        }
    }
}
```

What is the output:

- A) 1020405070
- B) 00000
- C) 020405070
- D) 00405070

Q12. Consider the coding snippet:

```
int i = 10;
while (i>0)
{
    System.out.print(i);
    i-=3;
}
```

Which of the following will produce the same result?

A)

```
for(int i =10; i>0; i=i-3)
{
    System.out.print(i);
}
```

B)

```
int i=10;
do
{
    System.out.print(i);
    i-=3;
}
while (i>0);
```

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```
C)
int i=10;
do
{
    i-=3;
    System.out.print(i);
}
while (i>0);
```

```
D)
for(int i =10; i>0;i++)
{
    System.out.print(i);
    i-=4;
    if (i<0)
    {
        break;
    }
}
```

Q13. Consider the code:

```
class Test
{
    public static void main(String[] args)
    {
        String[] s = new String[4];
        s[1] = "Sunny";
        s[2] = "Bunny";
        s[3] = "Chinny";
        for(String s1 : s)
        {
            System.out.print(s1.length());
        }
    }
}
```

What is the result?

- A) An `ArrayIndexOutOfBoundsException` is thrown at runtime.
- B) A `NullPointerException` is thrown at runtime.
- C) Compilation Fails
- D) 556
- E) 0556

Q14. Consider the code:

```
class Test
{
    public static void main(String[] args)
    {
        String[] s = {"Sunny","Bunny","Chinny"};
        //Line-1
    }
}
```


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Which code should be inserted at Line-1 to print ChinnyBunnySunny to the console?

- A)
for(String s1: s)
{
 System.out.print(s1);
}
- B)
for(int i=0; i<s.length; i++)
{
 System.out.print(s[i]);
}
- C)
for(int i =s.length-1;i>=0;i--)
{
 System.out.print(s[i]);
}
- D)
int i=s.length-1;
while(i>=0)
{
 System.out.print(s[i]);
 i=i-1;
}
- E)
int i =s.length-1;
do
{
 System.out.print(s[i]);
}
while (--i>=0);

Q15. Consider the code:

```
class Test
{
    public static void main(String[] args)
    {
        String[] s = {"Sunny","Bunny","Chinny"};
        //Line-1
    }
}
```

Which code should be inserted at Line-1 to print SunnyBunnyChinny to the console?

- A)
for(String s1: s)
{
 System.out.print(s1);
}
- B)
for(int i=0; i<s.length; i++)
{
 System.out.print(s[i]);
}

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C)
for(int i =s.length-1;i>=0;i--)
{
 System.out.print(s[i]);
}
D)
int i=s.length-1;
while(i>=0)
{
 System.out.print(s[i]);
 i=i-1;
}
E)
int i =s.length-1;
do
{
 System.out.print(s[i]);
}
while (--i>=0);

Q16. Consider the code:

```
class Test
{
    public static void main(String[] args)
    {
        String[][] s = {"A","B"},{"C","D"};
        for(int i = s.length-1;i>=0;i--)
        {
            for(int j =0; j< s[i].length;j++)
            {
                System.out.print(s[i][j]);
            }
        }
    }
}
```

- A) CDAB
- B) ABCD
- C) DCBA
- D) DCAB

Q17. Consider the code:

```
class Test
{
    public static void main(String[] args)
    {
        String[][] s = {"A","B"},{"C","D"};
        for(int i = 0;i< s.length;i++)
        {
            for(int j =0; j< s[i].length;j++)
            {
                System.out.print(s[i][j]);
            }
        }
    }
}
```

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```
    }  
}  
}
```

- A) CDAB
- B) ABCD
- C) DCBA
- D) DCAB

Q18. Consider the code:

```
class Test  
{  
    public static void main(String[] args)  
    {  
        String[][] s = {"A","B"}, {"C","D"};  
        for(int i = 0; i < s.length; i++)  
        {  
            for(int j = s[i].length-1; j >= 0; j--)  
            {  
                System.out.print(s[i][j]);  
            }  
        }  
    }  
}
```

- A) CDAB
- B) ABCD
- C) DCBA
- D) BADC

Q19. Consider the code:

```
class Test  
{  
    public static void main(String[] args)  
    {  
        int x = 0;  
        if(x++ < 1)  
        {  
            x+=10;  
        }  
        else  
        {  
            x+=20;  
        }  
        System.out.println("The Result:"+x);  
    }  
}
```

- A) The Result:11
- B) The Result:20
- C) The Result:10
- D) The Result:21

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Q20. Consider the code:

```
class Test
{
    public static void main(String[] args)
    {
        int i =10;
        int j =10;
        if(i++ < ++j)
        {
            i += 10;
        }
        else
        {
            j += 20;
        }
        System.out.println(i+":"+j);
    }
}
```

What is the result?

- A) 11:11
- B) 11:21
- C) 21:11
- D) 21:31