

# Assignment JAVA

## SELECTION STATEMENTS

**Q1: Find the output of the following code.**

- a. `if(a<10 || b>10)` [where a=5,b=8]  
{  
  `textField1.setText("hello");`  
}
- b. `if(a<10 && b>10)` [where a=5,b=8]  
{  
  `textField1.setText("SRDAV");`  
}
- c. `if(a<10 || b>15 || c>20)` [where a=5,b=8,c=10]  
{  
  `textField1.setText("hello world");`  
}
- d. `if(a<10 && b>15 && c>20)` [where a=15,b=18,c=10]  
{  
  `textField1.setText("welcome");`  
}  
else  
  `textField1.setText("exit");`

**Q3: Mr. Sahil has written a code for a VISA processing company write the output for the following.**

```
int ch=Integer.parseInt(jTextField1.getText());
switch(ch)
{
Case 1: jTextField2.setText("short-term single-entry visa granted);
        break;
Case 2: jTextField2.setText("short term multiple entry visa granted);
```

```
        break;
    Case 3: jTextField2.setText("long-term single-entry visa granted");
        break;
    Case 4: jTextField2.setText("long term multiple entry visa granted");
}

```

**Q4: Rewrite the code using switch case.**

```
if(choice==1)
    jTextField1.setText("Newdelhi to Goa);
else if(choice==2)
    jTextField1.setText("Newdelhi to Paris);
else if(choice==3)
    jTextField1.setText("Newdelhi to Dubai);
else
    jTextField1.setText("Invalid Entry");

```

**Q5: What message will be displayed after the execution of the following code ?**

```
int age=64, Relaxation =4;
if (age - Relaxation < 60)
    JOptionPane.showMessageDialog(NULL, "Not Eligible");
Else
    JOptionPane.showMessageDialog(NULL, "Eligible");

```

**Q6: What will be displayed in jTextField1 after executing the following statement:**

```
jTextArea1.setText("Fully \t Connected\n\t Topology");

```

**Q7: Rewrite the following program code using a Switch statement.**

```
if (code== 1)
    Season="Spring";
else if (code==2)
    Season="Summer";
else if (code==3)
    Season="Autumn";
else if (code==4)
    Season="Winters";
else
    Season="No Match";

```

**Q8: The following code has some error(s). Rewrite the correct code underlining all corrections made :**

```
int k=2;
sum=0;
if (k<=20);
    sum = sum+k;
    k++;
else
    k= k+4;
jTextField (Integer.toString (sum));
```

**Q8: Rewrite the following code using the if statement without affecting the output of the code :**

```
char c='m';
String p;
switch(c)
{
case 'h': p="Shiv Nadar";
break;
case 'i': p="Steve Jobs";
break;
case 'm': p="Bill Gates";
break;
default: p="wrong choice";
}
```

**Q9: Choose the correct output from the options given below :**

```
jTextArea1.setText("I\tEnjoy\tJava\nProgramming);
```

- (i) I Enjoy Java  
Programming
- (ii) I Enjoy  
Java Programming

**Q10. Find the output of the following code.**

```
a. char c='h';
String p;
switch(c)
{
case 'h': p="Shiv Nadar";
case 'i': p="Steve Jobs";
case 'm': p="Bill Gates";
```

```
break;
default: p="wrong choice";
}
```

- b. 

```
char c='n';
String p;
switch(c)
{
case 'h': p="Shiv Nadar";
case 'i': p="Steve Jobs";
case 'm': p="Bill Gates";
break;
default: p="wrong choice";
}
```
- c. 

```
char c='h';
String p;
switch(c)
{
case 'h': p="Shiv Nadar";
case 'i': p="Steve Jobs";
break;
case 'm': p="Bill Gates";
break;
default: p="wrong choice";
}
```
- d. 

```
char c='h';
String p;
switch(c)
{
case 'h': p="Shiv Nadar";
case 'i': p="Steve Jobs";
case 'm': p="Bill Gates";
default: p="wrong choice";
}
```