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ASSIGNMENT (AUTUMN BREAK 2015)
CLASS XI (I.P.)

Q1. Explain the following terms:

- a) IDE
- b) Form

Q2. Explain the usage of the following methods :

- a) setText()
- b) toString()

Q3. Differentiate between:

- (a) Text field and Text area components :
- (b) parseInt() and parseDouble() methods:

Q4. What is a Variable?

Q5. Why are data types important?

Q6. How are keywords different from variable names?

Q7. What is the purpose of break statement in a loop?

Q8. Is Java case sensitive? What is meant by case sensitive?

Q9. Is a string containing a single character same as a char?

Q10. What is the difference between if...else and switch.... case?

Q11. What is the purpose of default clause in a switch statement?

Q12. What is the main difference between a while loop and a do while loop?

Q13. Differentiate between compile time and run time errors .

Q14. Which error is harder to locate and why?

Q14. Explain the following terms:

- a) Exception handling :
- b) Syntax :
- c) Portability :

OutPut Finding Questions:

Q1

What will be the content of jTextField1 and jTextField2 after execution of the following code.

```
String firstName = "Johua ";
String lastName = "Yacomo";
String fullName = firstName + lastName;
jTextField1.setText("Full Name: ");
jTextField2.setText (fullName);
```

Q2. What will be the value of j and k after execution of the following code:

```
int j=10,k=12;
if(k>=j)
{ k=j;
  J=k; }
```

Q3. How many times, the following loop gets executed?

```
i=0;
while (i> 20)
{
//Statements
}
```

Q4. What will be the contents of jTextField after executing the following statement:

```
int num=4;
num=num+1;
if(num>5)
jTextField1.setText(Integer.toString(num));
else
jTextField1.setText(Integer.toString(num*4));
```

Q5. Find the output of the following code:

```
int First = 7;
int Second = 73;
First++;
if (First+Second> 90)
jlabel1.setText("value is 90 ");
else
jlabel1.setText("value is not 90 ");
```

Q6. Find the output

```
int Number1 = 7,Number2=8;
int Second = 73;
if (Number1>0 || Number2>5)
if (Number1>7)
jTextField1.setText("Code Worked");
else
jTextField1.setText("Code MightWork");
else
jTextField1.setText("Code will not Work");
```

Q7. How many times will the following loop get executed?

```
x = 5;
y = 36;
while ( x <= y)
{
x+=6;
}
```

Q8. What will be the content of the jTextField1 after executing the following code?

```
Int Num = 1;
do
{
jTextArea1.setText(Integer.toString(++Num) + "\n");
Num = Num + 1;
}while(Num<=10);
```

Q9. What will be the output produced by following code fragment? (1)

```
int x=9;
int y=5;
int z=x/y;
switch(z)
{
case1:x=x+2;
case2: x=x+3;
default:x =x+1;
}
System.out.println("value of x:"+x);
```

Errors finding questions:

Q 1. Identify the errors :

```
switch(ch)
{ case 'a' :
  case 'A' :
  case 'e' :
  case 'E' :
  case 'i' :
  case 'i' :
  case 'u' :
  case 'U' : ++vowels;
  break;
  default : ++others;
```

Q2.

```
inti,j=5;
i==j+5;
if(i=j)
{
jTextField1.setText("i and j are unequal");
jTextField2.setText("they are not equal"); }
else jTextField1.setText("i and j are equal");
```

Q3 The following code has some error(s). Rewrite the correct code underlining all the corrections made.

```
int y=3;
switch(y);
{ case 1: System.out.print("Yes its One");
case>2: System.out.println("Yes its more than Two");
  break;
case else: System.out.print("Invalid Number):
}
```