

Java Quiz

1. Write down precisely what would be value of executing the following expressions of Java code. If you think that any expression would result in an error, explain clearly the cause of the error.

You may assume the code immediately below, to declare variables, has been executed.

```
String a="prior";
String b="work";
int c=5;
int d=2;
double e=2.0;
int len[]={4,4,5};
int can[]={4,4,5};
double[] pram = new double[4];
pram[0]=2.0;
pram[1]=8.0;
```

a.

i. System.out.println (a+b);

priorwork (TCC)

ii. System.out.println ((c+d)*c);

35 (TCC)

iii. System.out.println (a+c);

Prior5 (FCC)

iv. System.out.println (c/d*10);

20 (FCC)

v. System.out.println (b*d);

Error (FCC)

vi. System.out.println (len == can);

False (FCC)

vii. System.out.println (pram[0]+pram[3]);

2.0 (TCC)

2. What will be the value of **sum** when the following code fragment is executed?

```
int sum = 0;
int i = 0;
while (i < 3)
{
    sum = sum + i;
    i++;
}
```

(TCC)

3

3. Consider the following Java program to answer section a and b

```
public class Main
{
    static int w=2;

    public static int map(int g, String s)
    {
        w=3;
        s = "Morning";
        int a=g+3;
        can();
        return a;
    }

    public static void can()
    {
        int a=3;
        String var = "Night";
        System.out.println(a + " " + var);
    }
}
```

a. After executing **System.out.println (map (7,"hello"))**; in the main method?

i. What will be the printed output?

(TCC)
3 Night
10

4. What will be the output of the following Java program when it is executed?

```
public class Robot
{
    String name;
    int age;
    public Robot(String n, int w){
        this.name=n;
        this.age=w;}

    public static void main(String []args) {
        Robot r1=new Robot("Alex", 1);
        Robot r2=new Robot("Dag", 3);
        r2.ola();
        r2.ola();
        r1.ola();
        r1=r2;
        r2.agga();
        r2.ola();
        r1.ola();}

    public void ola(){
        System.out.println(this.name + " " + this.age);}

    public int agga(){
        age=age+1;
        return age; }
}
```

(ATCC)
Dag 3
Dag 3
Alex 1
Dag 4
Dag 4
