

tutorialWeek 16 java111 ksu

q1

output :

6-bye-12

5-hi-100

6-Hello-25

Q2

```
public class AA {
    private int x;
    public double y;
    //constructor with no parameter
    public AA(){
        x=0;
        y=0;
    }
    //constructor with two parameter
    public void AA(int x1, double y1 ){ // error void constructor
        x=x1;
        y=y1;
    }
    //constructor with one parameter
    public AA(int x1){
        x=x1;
        y=x*1.0;
    }
    // set method
    //Postcondition: x = x1, y=y1
    public void set( int x1, double y1 ){
        x1=x; // error x = x1
        y1=y; // error y = y1
    }
    public void print(){
        System.out.println(x+"-"+y);}}
    public class testAA {
        public static void main(String[] args) {
            AA a1, a2;
            class AA a3,a4,a5; // error class
            a1=new AA ();
            a1.print();
            AA.y=10; //1 // error y not static
            a5=new AA(3, 5.5 ); //2
            a2=new AA (2.5); //3 // error there is no constructor accept double
            a3= new AA (2*10);
            a3.print ();
            a4.print(); // error a4 not intinelized yet
        }
    }
```

Q3

Q3

```
1 class MyClass{
2     private int x;
3     private static int count =0;
4
5     //default constructor
6     //Postcondition: x = 0
7     public MyClass()
8     {
9         x = 0 ;
10    incrementCount();
11    }
12    //constructor with a parameter
13    //Postcondition: x = a
14    public MyClass(int a)
15    {
16        x = a ;
17
18        incrementCount();
19    }
20    public void setX(int a)
21    {
22        x = a;
23
24    }
25    public void printX()
26    {
27
28        System.out.println(x) ;
29    }
30    public static void printCount()
31    {
32        System.out.println(count) ;
33
34    }
35    //Method to increment count
36    //Postcondition: count++
37    public static void incrementCount()
38    {
39        count++ ;
40
41    }
42
43 }
44-----
```

```

5 MyClass myObject1 = new MyClass(5) ;
6
7 MyClass myObject2 = new MyClass(7) ;
8
9 MyClass list[] = new MyClass[3] ;
10 list[0] = new MyClass() ;
11 list[1] = new MyClass() ;
12 list[2] = new MyClass() ;
13
=====

```

Q5

myObject1.printCount();	Valid	
myObject1.printX();	Valid	
MyClass.printCount();	Valid	
MyClass.printX();	Invalid	Not static method
MyClass.count++;	Invalid	Count is private
myObject1.x;	invalid	X is private
objectList.printX();	invalid	Missing index

Q6

5

5

5

5

7

14

6

6

26

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