WT LAB ASSIGNMENT - 8

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Q1.

```
public class Employee
   String name;
   int employee_id;
   double salary;
   Employee()
       name = "NULL";
       employee_id = 0;
       salary = 0.0d;
   Employee(String a, int b, double c)
       employee_id = b;
       salary = c;
   Employee (Employee e)
       employee_id = e.employee_id;
       salary = e.salary;
   void show()
      System.out.println("Name " + name);
      System.out.println("Employee id " + employee_id);
      System.out.println("Salary " + salary);
   public static void main(String[]args)
       Employee obj1 = new Employee();
       obj1.show();
       Employee obj2 = new Employee("Aindrail", 74, 50000);
       obj2.show();
       Employee obj3 = obj2;
       obj3.show();
```

OUTPUT

```
PS C:\Users\KIIT\Downloads\react-challenge-march21-amazon-clone-master
> cd "c:\4th Sem\WEB Tech\Practical\8th_Class(28.2.2022)\" ; if ($?) {
    javac Employee.java } ; if ($?) { java Employee }

Name NULL
Employee id 0
Salary 0.0
Name Soham
Employee id 74
Salary 50000.0
Name Soham
Employee id 74
Salary 50000.0
PS C:\4th Sem\WEB Tech\Practical\8th Class(28.2.2022)>
```

Q2.

```
public class Area
{
    double res;
    Area(int r)
    {
        res = 3.14 * r * r;
    }
    Area(int b, int h)
    {
            res = (b * h)/2;
    }
    Area (int l, double w)
    {
            res = 1 * w;
    }
    void disp()
    {
            System.out.println("Area is " + res);
    }
    public static void main(String[] args)
    {
            Area obj = new Area(5);
            obj.disp();
            Area obj1 = new Area(5, 6);
            obj1.disp();
            Area obj2 = new Area(7, 8.0);
            obj2.disp();
    }
}
```

OUTPUT

```
Windows PowerShell
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PS C:\4th Sem\WEB Tech\Practical\8th_Class(28.2.2022)> cd "c:\4th Sem\WEB Tech\Practical\8th_Class(28.2.2022)\"; if ($?) { javac Area.java }; if ($?) { java Area } Area is 78.5

Area is 15.0

Area is 15.0

Area is 56.0

PS C:\4th Sem\WEB Tech\Practical\8th_Class(28.2.2022)>
```

```
public class Time
       hours = 0;
       mins = 0;
       secs = 0;
       hours = a;
       mins = b;
   void add(Time obj, Time obj1)
       mins = obj.mins + obj1.mins;
   void sub(Time obj, Time obj1)
       mins = obj.mins - obj1.mins;
   void disp()
   public static void main(String []args)
       t1.disp();
       Time t2 = new Time(0,10,20);
       t2.disp();
```

```
Time t3 = new Time(0,0,0);
    System.out.println("Addition");
    t3.add(t1,t2);
    Time t4 = new Time(0,0,0);
    System.out.println("Subtraction");
    t4.sub(t1,t2);
    t3.disp();
    t4.disp();
}
```

OUTPUT

```
> cd "c:\4th Sem\WEB Tech\Practical\8th_Class(28.2.2022)\"; if ($?) { javac Time.java }; if ($?) { java Time }

Time in hours, minutes and seconds: 0, 10 and 20

Addition

Subtraction

Time in hours, minutes and seconds: 1, 35 and 55

Time in hours, minutes and seconds: 1, 15 and 15

PS C:\4th Sem\WEB Tech\Practical\8th_Class(28.2.2022)>
```

Q4.

```
public class Num
{
    static int n = 0;
    Num()
    {
        n++;
    }
    public static void main(String[] args)
    {
        Num obj1 = new Num();
        Num obj2 = new Num();
        Num obj3 = new Num();
        Num obj4 = new Num();
        System.out.println("Number of objects created : " + n);
    }
}
```

Q5.

```
import java.util.*;
public class Repeat
{
    public static void main(String []args)
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the number of elements");
        int n = sc.nextInt();
        int a[] = new int[n];
        for (int i = 0; i < n; i++)
        {
              System.out.println("Enter the number");
              a[i] = sc.nextInt();
        }
}</pre>
```

```
for (int i = 0; i < n; i++)
{
    int t = a[i];
    for(int j = i+1; j < n; j++)
    {
        if (t == a[j])
        {
            System.out.println("Repeated element - " + a[j]);
        }
    }
}
sc.close();
}</pre>
```

Q6.

```
import java.util.*;
public class sub {
    public static void main(String []args)
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the number of elements");
        int n = sc.nextInt();
        int a[] = new int[n];
        for (int i = 0; i < n; i++)
        {
            System.out.println("Enter the number");
            a[i] = sc.nextInt();
        }
        for (int i = 0; i < n-1; i++)
        {
            if (a[i] - a[i+1] == 0)
            {
                  System.out.println("Numbers are - " + a[i] + " " + a[i+1]);
            }
        sc.close();
      }
}</pre>
```

OUTPUT

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSMindows

PS C:\tth Sem\MEB Tech\Practical\8th_Class(28.2.2022)> cd "c:\dth Sem\MEB Tech\Practical\8th_Class(28.2.2022)\"; if ($?) { javac Transpose.java } ; if ($?) { java Transpose } inter the number interest intere
```