

Dt : 30/9/2023

Ex-program:

wap to read and display Multiple Employee details?

(Working with user defined Class Objects)

p1 : Employee.java

```
package p1;
public class Employee extends Object
{
    public String id,name,desg;
    public int bSal;
    public float totSal;
    @Override
    public String toString()
    {
        return
id+"\t"+name+"\t"+desg+"\t"+bSal+"\t"+totSal;
    }
}
```

p2 : DemoArray2.java(MainClass)

```
package p2;
import java.util.*;
import p1.Employee;
@SuppressWarnings("serial")
public class DemoArray2 extends Exception
{
    static boolean b=false;
    public DemoArray2(String msg)
    {
        super(msg);
    }
    public static void main(String[] args)
```

```

{
    Scanner s = new Scanner(System.in);
    try(s){
        try
        {
            System.out.println("Enter the number of
employees:");
            int n = Integer.parseInt(s.nextLine());
            Employee emp[] = new Employee[n];
            System.out.println("Enter "+n+" Employee
details:");
            for(int i=0;i<emp.length;i++)
            {
                try
                {
                    System.out.println("***Employee-
"+(i+1)+"***");

                    emp[i] = new Employee();
                    System.out.println("Enter the
EmpId:");

                    emp[i].id = s.nextLine();
                    System.out.println("Enter the
EmpName:");

                    emp[i].name = s.nextLine();
                    System.out.println("Enter the
EmpDesg:");

                    emp[i].desg = s.nextLine();
                    System.out.println("Enter the
EmpBSal:");

                    emp[i].bSal =
Integer.parseInt(s.nextLine());
                    if(emp[i].bSal<12000)//Exception
                    {
                        DemoArray2 ob = new
DemoArray2("Invalid bsal");
                        throw ob;
                    }
                    emp[i].totSal =

```

```

emp[i].bSal+(0.93F*emp[i].bSal)+(0.61F*emp[i].bSal);
    }//end of try
    catch (DemoArray2 ob)
    {

        System.out.println(ob.getMessage());
        i--;
    }
} //end of loop
System.out.println("===Using Extended-
for====");
for (Employee k : emp)
{
    System.out.println(k);
} //end of loop
System.out.println("====Uisng
Spliterator<T>====");
Spliterator<Employee> sp =
Arrays.spliterator(emp);
sp.forEachRemaining((k) ->
{
    System.out.println(k);
});
System.out.println("****Display Employee
based on empId****");
System.out.println("Enter the EmpId:");
String empId = s.nextLine();
Spliterator<Employee> sp2 =
Arrays.spliterator(emp);

sp2.forEachRemaining((k) ->
{
    Employee e = (Employee)k;
    if (empId.equals(e.id))
    {
        b=true;
        System.out.println(e);
    }
}

```

```

        });
        if(!b)
        {
            System.out.println("Invalid
empId...");
        }
    } //end of try
    catch(Exception e)
    {
        e.printStackTrace();
    }
} //end of try with resource
}
}

```

o/p:

Enter the number of employes:

2

Enter 2 Employee details:

*****Employee-1*****

Enter the Empld:

A121

Enter the EmpName:

Ram

Enter the EmpDesg:

SE

Enter the EmpBSal:

18000

*****Employee-2*****

Enter the Empld:

A234

Enter the EmpName:

Alex

Enter the EmpDesg:

TE

Enter the EmpBSal:

17000

===Using Extended-for===

A121 Ram SE 1800045720.0

A234 Alex TE 1700043180.0

====Uisng Spliterator<T>===

A121 Ram SE 1800045720.0

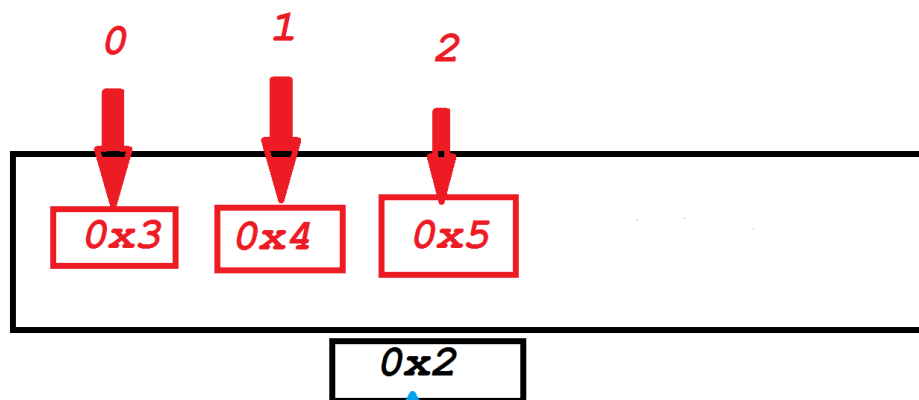
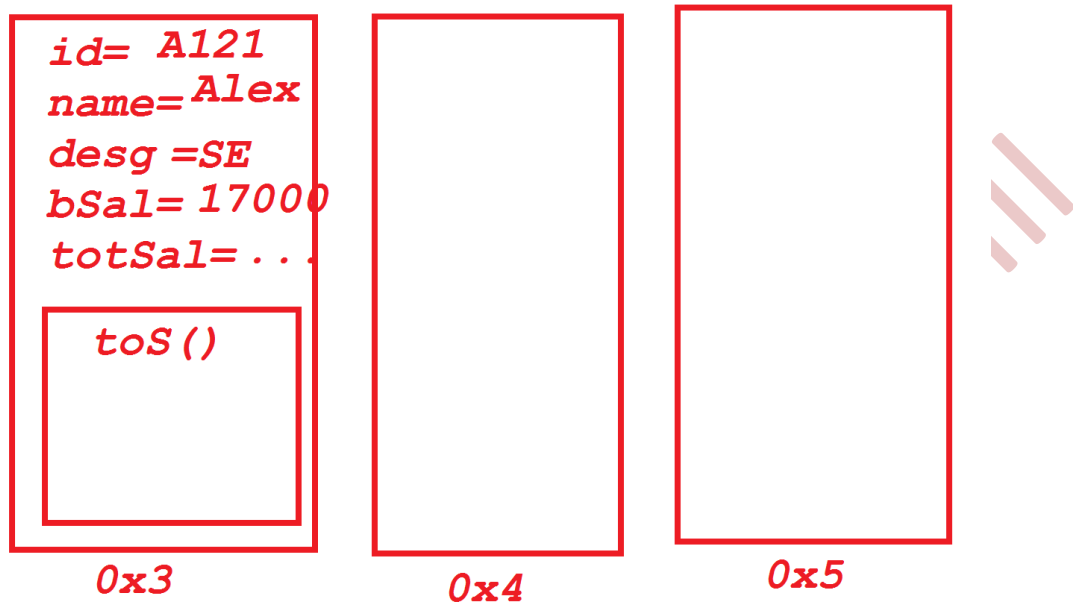
A234 Alex TE 1700043180.0

*****Display Employee based on empld*****

Enter the Empld:

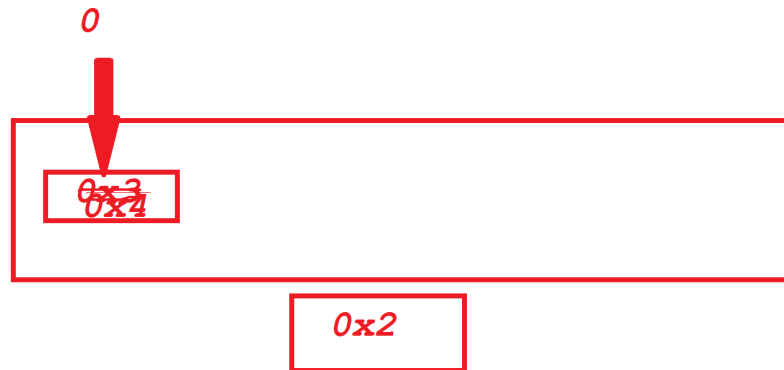
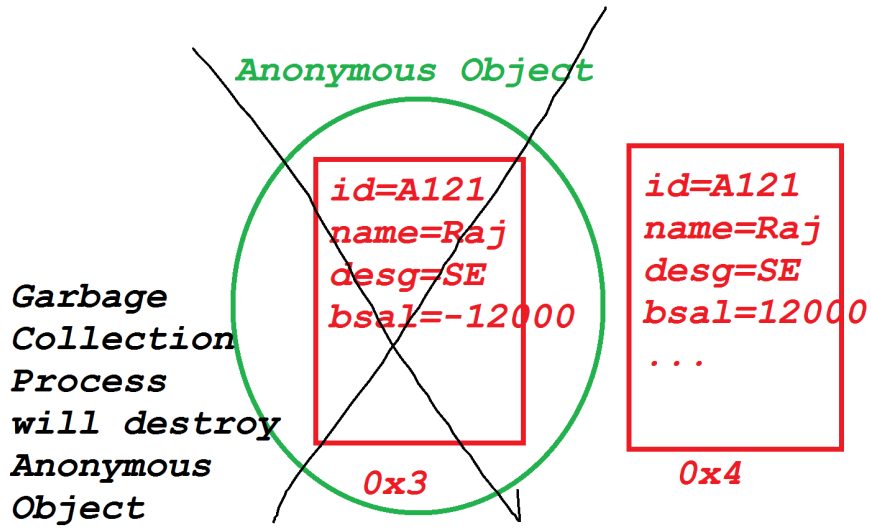
A345

Invalid empld...



`Employee emp[] = new Employee[n];`

*This ref will hold
5 Employee-Objects*



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Assignment:

wap to read and display Multiple Student details using Array?

(rollNo,name,br,totmarks,per,result)

Note:

=>To calculate totMarks read 6 Sub marks.

=>use Exception Handling process

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Venkatesh Maipathii