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USN- 18M19CS015

00J
Lab-Test 2

```
import java.util.Scanner;
```

```
class myexception extend Exception {
```

```
    String str1;
```

```
    myexception (String str)
```

```
    { str1 = str;
```

```
    public String toString ()
```

```
    { return ("An Exception occurred: " + str1);
```

```
    }
```

```
class employee
```

```
{ String name = "";
```

```
    int String emp_id = "";
```

```
    int emp_age = 0;
```

```
    int emp_loan_requested = 0;
```

```
Scanner sc = new Scanner(System.in);
```

```
void accept ()
```

```
{ System.out.println ("Enter employee details...");
```

```
system.out.println(" Id :> ");
emp-id = sc.next();
system.out.println(" Name :> ");
emp name = sc.next();
system.out.println(" Age :> ");
emp-age = sc.nextInt();
system.out.println(" loan-requested :> ");
emp-loan-requested = sc.nextInt();
```

```
try
{
    if ((emp-age < 18) || (emp-age > 60))
    {
        throw new myexception(" Age must be between
        18 and 60 ");
    }
    else {}
    catch ( myexception e)
    {
        system.out.println(e);
    }
}
```

```
try
{
    if (emp-loan-requested > 50000)
    {
        throw new myexception(" loan values
        exceeds 50,000, loan rejected ");
    }
    else {}
}
(2)
```

```
catch (myexception e)
{
    system.out.println(e);
}
```

```
}
```

```
void display()
```

```
{
    system.out.println(" <-----> ");
    system.out.println("Employee Details");
```

```
    system.out.println("Id : " + emp-id);
```

```
    system.out.println("Name : " + name);
```

```
    system.out.println("Age : " + emp-age);
```

```
    system.out.println("Loan-requested : " + emp-loan-requested);
```

```
}
```

```
}
```

```
class main {
```

```
    public static void main(String args[]) {
```

```
        Scanner sc = new Scanner(System.in);
```

```
        System.out.println("Enter the number of employees");
```

```
        int n = sc.nextInt();
```

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

```
for (int i=0; i<n; i++) // for accepting  
{  
    e[i] = new employee();  
    System.out.println(" ");  
    e[i].accept();  
}
```

```
for (int j=0; j<n; j++) // for display  
{  
    System.out.println(" In Displaying details of  
employee " + (j+1) + " : ");  
    e[j].display();  
}
```

```
}
```

(4)

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