

JaVA Building Block Stairs (JaBS)

(Inherent Feature of Java OOP)

```
+ ++++++ +
+ "JaBS" is the compilation of Knowledge of Java. Java evolved from the features inherited from C and C++ +
+ and polished their features to improve the current demand of programming. This document is solely the +
+ property of EWU, CSE. Prepared by Dr. Hasan Mahmood Aminul Islam, Faculty, CSE, EWU. +
+ ++++++ +
```

Note: Java filename EwuCseDepartment.java

```
//the library that you need to import for your purpose
```

```
Import java.util.*;
```

```
public class EwuCseDepartment
```

```
{
```

```
/*
```

```
★ Later the following member variables will be shown by Inheritance
★ For the time being, this program has considered the basic Java
★ Program.
★
★
★ In C, we know about function(), In Java we refer it as
★ Method and in Java we call it Method
★
★ Look, observe and think 10 min for each and every Method.
★ how the member variables are set and
★ how you get the value of the member variables.
★ You need to set each and every member variables by
★ methods
```

```
*/
```

```
private String facultyMember;
private String deptAdminOfficer;
private String labOfficer;
```

```
Private int    employeeId;
Private int    employmentDuration;
```

```
//Default Constructor
```

```
public EwuCseDepartment () {
```

```
}
```

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```

```
//Constructor for the initialization if you need/want
```

```
public EwuCseDepartment (
    String facultyMem,
    String deptAdminOfc,
    String labOfc,
    int duration
)
{
    this.facultyMember      = facultyMem;
    this.deptAdminOfficer   = deptAdminOfc;
    this.labOfficer         = labOfc;
    this.employmentDuration = duration;
}
```

```
// set/get facultyMember
```

```
public String getFacultyMember ()
{
    return facultyMember;
}
```

```
public void setFacultyMember (String facultyMem)
{
    this.facultyMember = facultyMem;
}
```

```
// set/get deptAdminOfficer
```

```
public String getDeptAdminOfficer ()
{
    return deptAdminOfficer;
}
```

```
public void setDeptAdminOfficer (String _deptAdminOfficer)
{
```

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```
        this.deptAdminOfficer = _deptAdminOfficer;
    }

    // set/get employmentDuration
    public int getEmploymentDuration()
    {
        return employmentDuration;
    }

    public void setEmploymentDuration(int _employmentDuration)
    {
        this.employmentDuration = _employmentDuration;
    }

    // Here is the main function wherefrom the program logic starts
    //Start of Main Function
    public static void main(String[] args)
    {
        EwuCseDepartment cseDept = new EwuCseDepartment();
        // An instance or object for the EwuCseDepartment is created below
        EwuCseDepartment cseDept = new EwuCseDepartment(
            "Assist Prof Hasan",
            "Mr. Habibur Rahman",
            "Mr. Mohon",
            10);

        System.out.println("Faculty: " + cseDept.getFacultyMember());
        System.out.println(
            "get EmploymentDuration:" +
            cseDept.getEmploymentDuration()
        );

    } //End of Main
}
```