

Day2_Inheritance,Scanner,Datatype,access specifier

DAY2:

- 1.Inheritance
- 2.Access specifiers
- 3.Data types
- 4.Scanner class

QUESTIONS(Theory)

- 1.What is mean by inheritance?
- 2.Types of inheritance and explain all types?
- 3.What is mean by multiple inheritance,why java won't support multiple inheritance?
- 4.Difference between hybrid and hierachical inheritance?
- 5.What is the use of access specifier and types?
- 6.Difference between public and protected?
- 7.What is mean by Wrapper class?
- 8.What is default value of String?
- 9.What is difference between primitive and non primitive datatypes?
- 10.What is default package in java?
- 11.What is the super class of all java class?
- 12.What is use of scanner class?
- 13.What are the different methods available in Scanner class?
- 14.Scanner class is under which package?
- 15.Difference between next() and nextLine()?

QUESTIONS(Programs)

QUESTION 1:

Description: Using Scanner class get the below details

empId
empName
empEmail
empPhoneno
empSalary
empGender
empCity

QUESTION 2:

Description: Using Scanner class get the below details

studentId
studentName
Mark1
Mark2
Mark3
Mark4
Mark5

:Find the total and average of marks

QUESTION 3:

package name: org.all
Project name: LanguageDetails
Class name : Languageclass
Methods : alllanguage

package name: org.tamil
Project name: LanguageDetails
Class name : Tamil

```
Methods      : tamillanguage

package name: org.english
Project name: LanguageDetails
Class name   : English
Methods      : englishlanguage

package name: org.telgu
Project name: LanguageDetails
Class name   : Telgu
Methods      : telgulanguage
```

Description:

create above 4 packages and call all your class methods into the Languageclass using multilevel inheritance.

QUESTION 4:

```
package name: org.india
Project name: SouthIndia
Class name   : India
Methods      : india

package name: org.tamilnadu
Project name: SouthIndia
Class name   : TamiladuN
Methods      : tamillanguage

package name: org.kerala
Project name: SouthIndia
Class name   : kerala
Methods      : malayalam

package name: org.andrapradesh
Project name: SouthIndia
Class name   : AndhraPradesh
Methods      : telugu
```

Description:

create above 4 packages and call all your class methods into the India using multilevel inheritance.

QUESTION 5:

```
Project      :CollegeInformation
Package      :org.college
Class        :College
Methods      :collegeName(),collegeCode(),collegeRank()

Class        :Student
Methods      :studentName(),studentDept(),studentId()

Class        :Hostel
Methods      :HostelName()

Class        :dept
Methods      :deptName()
```

Description:

create above 4 class and call all your class methods into the Student using multilevel inheritance.

QUESTION 6:

```
Project      :Computer
Class        :Computer
Methods      :computerModel()
```

```
Class      :Desktop
Methods    :desktopSize()
```

Description:

create above 2 class and call all your class methods into the Desktop using single inheritance.

QUESTION 7:

```
Project     :LanguageDetails
Package     :org.lang
Class       :LanguageInfo
Methods     :tamilLanguage(),englishLanguage(),hindiLanguage()

Class       :StateDetails
Methods     :southIndia(),northIndia()
```

Description:

create above 2 class and call all your class methods into the LanguageInfo using single inheritance.

QUESTION 8:

Description: Using Scanner class get the below details

```
StudentId
StudentName
StudentEmail
StudentPhoneno
StudentDept
StudentGender
StudentCity
```

QUESTION 9:

```
Project     :BankDetails
Package     :org.bank
Class       :BankInfo
Methods     :saving(),fixed()

Class       :AxisBank
Methods     :deposit()
```

Description:

create above 2 class and call all your class methods into the BankInfo using single inheritance.

QUESTION 10:

```
Project     :CompanyDetails
Package     :org.company
Class       :Company
Methods     :companyName()

Package     :org.client
Class       :Client
Methods     :clientName()
```

Description:

create above 2 packages and call all your class methods into the Comapany using single inheritance.

QUESTION 11:

```
Project     :EducationInformation
Package     :org.edu
Class       :Education
Methods     :ug(),pg()
```

```
Class      :Arts  
Methods    :bsc(),bEd(),bA(),bBA()
```

```
Class      :Engineering  
Methods    :bE(),bTech()
```

```
Class      :Medicine  
Methods    :physiyo(),dental(),mbbs()
```

Description:

create above 4 class and call all your class methods into the Education using multilevel inheritance.