

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.