Day3\_Polymorphism,Abstraction

DAY3:

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1.Polymorphism

2.Abstraction

QUESTIONS(Theory)

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1.What is mean by polymorphism?

2.Difference between method overloading and method overriding?

3.What is mean by Abstraction?

4.Difference between Abstract class and interface?

5.What is mean by abstract method?

6.Can we create object for abstract class?

7.In interface,can we make method as static?

8.In interface,can we make method as final?

9.How will achieve multiple inheritance in java,write a code for that?

QUESTIONS(Programs)

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QUESTION 1:

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Find the answer for below questions and tell whether it is possible or not?

I implements I

I implements C

I implements A

I extends I

I extends C

I extends A

C implements I

C implements C

C implements A

C extends I

C extends C

C extends A

A implements I

A implements C

A implements A

A extends I

A extends C

A extends A

A-abstract class

C-class

I- interface

QUESTION 2:

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Project :EmployeeDetails

Package :org.emp

Class :Employee

Methods :empId()

Description

You have to overload the method empId() based on different datatype in arguments.

QUESTION 3:

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Project :CompanyDetails

Package :org.company

Class :CompanyInfo

Methods :companyName()

Description

You have to overload the method companyName() based on different Number of arguments.

QUESTION 4:

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Project :MyPhone

Package :org.phone

Class :Phone

Methods :phoneInfo()

Description

You have to overload the method phoneInfo() based on different datatype order in arguments.

QUESTION 5:

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Project :GreensAddress

Package :org.add

Class :GreensTech

Methods :greensOmr()

Description

You have to overload the method greensOmr() based on order,type,number.

QUESTION 6:

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Project :BankDetails

Package :org.bank

Class :BankInfo

Methods :saving(),fixed(),deposit()

Class :AxisBank

Methods :deposit()

Description:

You have to override the method deposit in AxisBank.

QUESTION 7:

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Project :EducationInformation

Package :org.edu

Class :Education

Methods :ug(),pg()

Class :Arts

Methods :bSc(),bEd(),bA(),bBA(),ug(),pg()

Description:

You have to override the method ug(),pg() in Arts.

QUESTION 8:

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Project :UniversityInformation

Package :org.univ

Class :University

Methods :ug(),pg()

Class :College

Methods :ug(),pg()

Description:

ug(),pg() is just a templete in University class and You have to override the method ug(),pg() in College class.

QUESTION 9:

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Project :BikeInformation

Package :org.bike

Interface :Bike

Methods :cost(),speed()

Class :Ktm

Methods :cost(),speed()

Description:

cost(),speed() is just a templete in Bike Interface and You have to override the method cost(),speed() in Ktm class.

QUESTION 10:

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Project :Computer

Interface :HardWare

Methods :hardwareResources()

Interface :Software

Methods :softwareResources()

Class :Desktop

Methods :desktopModel()

Description:

create 2 Interface and archieve multiple inheritance.