Day1\_Class,method,object

DAY1:

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1.Java Introduction

2.Class,Method,Object

3.Same package and Different package

4.Encapsulation

QUESTIONS(Theory):

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1.What is platform independent?

2.What is open source?

3.Difference between JDK,JRE,JVM?

4.why we go for java?

5.What is the latest version of JDK and which version you are using in your project?

6.What is the latest version of eclispe and which version you are using in your project?

7.Difference between c++ and java?

8.Features of java?

9.What type of tool you are using in your project to execute java?

10.Difference between class,method,object?

11.Where object stores?

12.How to access one class method in to another package in different package?

13.What is encapsulation?

14.Coding standard to create project,class,method,package and object ?

15.What gives Java it's "write once and run anywhere" nature?

QUESTIONS(Programs):

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QUESTION 1:

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Project :EmployeeDetails

Package :org.emp

Class :Employee

Methods :empId(),empName(),empDob(),empPhone(),empEmail(),empAddress()

Description:

Create an object for employee class and call above methods also follow the all coding standards.

QUESTION 2:

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Project :GreensAddress

Package :org.add

Class :GreensTech

Methods :greensOmr(),greensAdayar(),greensTambaram(),greensVelacherry(),greensAnnaNagar()

Description:

Create an object for GreensTech class and call above methods also follow the all coding standards.

QUESTION 3:

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Project :CompanyDetails

Package :org.company

Class :CompanyInfo

Methods :companyName(),companyId(),companyAddress()

Description:

Create an object for CompanyDetails class and call above methods also follow the all coding standards.

QUESTION 4:

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Project :MyPhone

Package :org.phone

Class :PhoneInfo

Methods :phoneName(),phoneMieiNum(),Camera(),storage(),osName()

Description:

Create an object for PhoneInfo class and call above methods also follow the all coding standards.

QUESTION 5:

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Project :LanguageDetails

Package :org.lang

Class :LanguageInfo

Methods :tamilLanguage(),englishLanguage(),hindiLanguage()

Class :StateDetails

Methods :southIndia(),northIndia()

Description:

Create an object for LanguageInfo and StateDetails inside the StateDetails class and call both classes methods also follow the all coding standards.

QUESTION 6:

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Project :EmployeeInformation

Package :org.emp

Class :Employee

Methods :empName()

Package :org.company

Class :Company

Methods :companyName()

Package :org.client

Class :Client

Methods :clientName()

Package :org.project

Class :Project

Methods :projectName()

Description:

Create an object for all 4 classes inside the Employee class and call all classes methods also follow the all coding standards.

QUESTION 7:

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Project :PhoneDetails

Package :org.phone

Class :ExternalStorage

Methods :size()

Class :InternalStorage

Methods :processorName(),ramSize()

Description:

Create an object for ExternalStorage and InternalStorage inside the InternalStorage class and call both classes methods also follow the all coding standards.

QUESTION 8:

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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 an object for all 4 classes inside the College class and call all classes methods also follow the all coding standards.

QUESTION 9:

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Project :VehicleInformation

Package :org.allvehicle

Class :Vehicle

Methods :VehicleNecessery()

Package :org.twowheeler

Class :TwoWheller

Methods :bike(),cycle()

Package :org.threewheeler

Class :ThreeWheeler

Methods :Auto()

Package :org.fourwheeler

Class :FourWheeler

Methods :car(),bus(),lorry()

Description:

Create an object for all 4 classes inside the Vehicle class and call all classes methods also follow the all coding standards.

QUESTION 10:

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Project :TransportInformation

Package :org.transport

Class :Transport

Methods :TransportForm

Package :org.road

Class :Road

Methods :bike(),cycle(),bus(),car()

Package :org.air

Class :Air

Methods :aeroPlane(),heliCopter()

Package :org.water

Class :Water

Methods :boat(),ship()

Description:

Create an object for all 4 classes inside the Transport class and call all classes methods also follow the all coding standards.

QUESTION 11:

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Project :NetworkInformation

Package :org.network

Class :Wifi

Methods :wifiName()

Class :MobileData

Methods :dataName()

Class :Lan

Methods :lanName()

Class :Wireless

Methods :modamName()

Description:

Create an object for all 4 classes inside the Wifi class and call all classes methods also follow the all coding standards.

Close

Day2\_Inheritance,Scanner,Datatype,access specifier

**DAY2:**  
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1.Inheritance  
2.Access specifiers  
3.Data types  
4.Scanner class

QUESTIONS(Theory)

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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)

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QUESTION 1:

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Description: Using Scanner class get the below details

empId

empName

empEmail

empPhoneno

empSalary

empGender

empCity

QUESTION 2:

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Description: Using Scanner class get the below details

studentId

studentName

Mark1

Mark2

Mark3

Mark4

Mark5

:Find the total and average of marks

QUESTION 3:

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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:

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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:

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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:

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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:

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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:

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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:

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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:

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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.

Close

Day3\_Polymorphism,Abstraction

**DAY3:**  
**---------**  
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:

------------

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:

------------

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:

------------

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:

------------

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:

------------

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:

-------------

Project :Computer

Interface :HardWare

Methods :hardwareResources()

Interface :Software

Methods :softwareResources()

Class :Desktop

Methods :desktopModel()

Description:

create 2 Interface and archieve multiple inheritance.

Close

Day4\_ControlStatements

**DAY4:**  
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1.if/else if  
2.Loopings(for,while,do-while)  
3.Switch case  
4.break/continue

QUESTIONS(Theory)

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1.What is difference between break and continue?

2.Whether we can use continue statement in switch?

3.What is mean by control statments and types?

4.What is mean by for loop?

5.Can you explain about for loop execution process?

6.What is difference between while and do-while?

7.What is the use of default keyword in switch?

8.Difference between for and while loop?

QUESTIONS(Find the output)

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QUESTION 1:

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package org.test;

public class Hello {

public static void main(String[] args) {

for (int i = 1; i <= 100; i++) {

if (i == 5) {

}

System.out.println(i);

}

}

}

QUESTION 2:

------------

package org.test;

public class Hello {

public static void main(String[] args) {

for (int i = 1; i <= 10; i++) {

if (i == 5) {

break;

}

System.out.println(i);

}

}

}

QUESTION 3:

----------

package org.test;

public class Hello {

public static void main(String[] args) {

for (int i = 1; i <= 10; i++) {

if (i == 5) {

continue;

}

System.out.println(i);

}

}

}

QUESTION 4:

------------

package org.test;

public class Hello {

public static void main(String[] args) {

for (int i = 1; i <= 3; i++) {

for (int j = 1; j <= 3; j++) {

System.out.println(j);

}

}

}

}

QUESTION 5:

------------

package org.test;

public class Hello {

public static void main(String[] args) {

for (int i = 1; i <= 3; i++) {

for (int j = 1; j <= 3; j++) {

System.out.println(i);

}

}

}

}

QUESTION 6:

-----------

package org.test;

public class Hello {

public static void main(String[] args) {

for (int i = 1; i <= 3; i++) {

for (int j = 1; j <= i; j++) {

System.out.println(j);

}

}

}

}

QUESTION 7:

-----------

package org.test;

public class Hello {

public static void main(String[] args) {

for (int i = 1; i <= 3; i++) {

for (int j = i + 1; j <= 3; j++) {

System.out.println(j);

}

}

}

}

QUESTION 8:

------------

package org.test;

public class Hello {

public static void main(String[] args) {

for (int i = 1; i <= 3; i++) {

for (int j = i + 1; j <= i; j++) {

System.out.println(j);

}

}

}

}

QUESTION 9:

------------

package org.test;

public class Hello {

public static void main(String[] args) {

int i=5;

if (i == 5) {

break;

}

System.out.println(i);

}

}

QUESTION 10:

------------

package org.test;

public class Hello {

public static void main(String[] args) {

int i=5;

if (i == 5) {

continue;

}

System.out.println(i);

}

}

QUESTIONS(Programs)

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QUESTION 1:

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Description: Write Java program to allow the user to input his/her age.

Then the program will show if the person is eligible to vote.

A person who is eligible to vote must be older than or equal 1 to 18 years old.

Example:

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Input = 10

Output = print not eligible.

QUESTION 2:

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Description: Write a program to find even or odd number

Example:

---------

Input = 10

Output = Even

QUESTION 3:

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Description: Write a program to print even number from 1 to 100

Example:

---------

Output = 2,4,....100

QUESTION 4:

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Description: Find the sum of odd number 1 to 100

Example:

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Output = 2500

QUESTION 5:

-----------

Description: Count of even number 1 to 100

Example:

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Output = 50

QUESTION 6:

-----------

Description: Write a program to find the factorial of a number.

Example:

--------

Input = 5

Output = 120

QUESTION 7:

------------

Description: Write a program to print the fibonacci series of a number 1 to 100.

Example:

--------

Output = 0,1,1,2,3,5.....

QUESTION 8:

-----------

Description: Find prime number or not.

Example:

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Input = 11

Output = prime number

QUESTION 9:

-----------

Description : Print the below patterns using for loop.

Output:

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1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

1 2 3 4 5 6

1 2 3 4 5 6 7

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QUESTION 10:

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Description: Find Amstrong number or not

Example:

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Input = 153

Output = Amstrong number

QUESTION 11:

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Description: Reverse the number

Example:

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Input = 123

Output = 321

QUESTION 12:

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Description: Count of the number

Example:

--------

Input = 123

Output = 3

QUESTION 13:

-------------

Description: Sum of the number

Example:

--------

Input = 123

Output = 6

QUESTION 14:

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Description: Verify the number is palindrome number not

Example:

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Input = 141

Output = Palindrome