**Assignment-2**

2)

**class** Employee{

**float** salary = 40000;

**void** totalSalary()

{

System.***out***.println("The Employee incremented salary is :" +(salary ) );

}

}

**class** Manager **extends** Employee{

**float** incentive =15000;

**void** totalsalary()

{

System.***out***.println("The Manager salary is :" +((salary+incentive)));

}

}

**class** Labour **extends** Manager{

**double** overtime=6500;

**void** totalsalary()

{

System.***out***.println("The salary of the Labours is"+(overtime+salary));

}

}

**public** **class** MainClass90

{

**public** **static** **void** main(String args[]){

Labour t = **new** Labour();

Manager m=**new** Manager();

System.***out***.println("Total Salary Of Employees In Organisation is "+(m.salary+ (((m.incentive)+ t.overtime))+ t.salary)); //displays total salary of emp in org//

// based on an object it decides which class salary method to be execute

// m.totalsalary(); // displays manager salary//

// t.totalsalary(); //displays labour salary//

}

}

3)

**class** Bank{

**void** totalMoneyInBank()

{

System.***out***.println("The Employee incremented salary is :" );

}

}

**class** SavingAcoount **extends** Bank{

**float** fixedDeposits =150000;

**void** totalMoneyInBank()

{

System.***out***.println("total money in savings account :" +((fixedDeposits)));

}

}

**class** CurrentAcccount **extends** SavingAcoount{

**double** cashCredit=59000;

**void** totalMoneyInBank()

{

System.***out***.println("The total money in current account "+(cashCredit));

}

}

**public** **class** MainClass90

{

**public** **static** **void** main(String args[]){

CurrentAcccount m=**new** CurrentAcccount();

SavingAcoount s=**new** SavingAcoount();

// based on an object it decides which class account method to be execute

m.totalMoneyInBank(); //prints total money in currect ac//

s.totalMoneyInBank(); //prints total money in savings ac//

System.***out***.println("Total money in the bank is "+( m.fixedDeposits+m.cashCredit)); //displays total salary of emp in org//

}

}

4)

**abstract** **class** Person {

**public** **int** number;

**public** String name;

**abstract** **int** id(**int** a);

}

**class** Student **extends** Person{

**public** **int** id(**int** a) {

**return** a ;

}

}

**class** Teacher **extends** Person{

**public** **int** id(**int** a) {

**return** a;

}

}

**public** **class** HelloWorld {

**public** **static** **void** main(String[] args) {

Student st= **new** Student();

st.name="praveen";

st.number=21;

st.id(18);

System.***out***.println(st.name);

}

}

5)

**abstract** **class** Shape{

**abstract** **void** draw();

{

}

}

**class** Line **extends** Shape

{

**public** **void** draw()

{

System.***out***.println("draw Line");

}

}

**class** Rectangle **extends** Shape

{

**public** **void** draw()

{

System.***out***.println("draw rectangle");

}

}

**class** Circle **extends** Shape

{

**public** **void** draw()

{

System.***out***.println("draw circle");

}

}

**class** Cube **extends** Shape

{

**public** **void** draw()

{

System.***out***.println("draw cube");

}

}

**class** Testclass{

**public** **static** **void** main(String[] args) {

Shape obj=**new** Line();

obj.draw();

Shape obj1=**new** Rectangle();

obj1.draw();

Shape obj2=**new** Circle();

obj2.draw();

Shape obj3=**new** Cube();

obj3.draw();

}

}

6)

**abstract** **class** Persistence{

**abstract** **void** persist();

}

**class** FilePersistence **extends** Persistence{

**public** **void** persist() {

System.***out***.print("Persist is in FilePersistence");

}

}

**class** DatabasePersistence **extends** Persistence{

**public** **void** persist() {

System.***out***.print("Persist is in DatabasePersistence");

}

}

**public** **class** Abstract {

**public** **static** **void** main(String args[]) {

FilePersistence F=**new** FilePersistence();

F.persist();

DatabasePersistence D=**new** DatabasePersistence();

D.persist();

}

}