1.

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

{

**int** i=10,j=0;

**int** result;

System.***out***.println("Hre exception handling is going to start");

**try** {

System.***out***.println("we are performing 10/0");

result=*i/j*;

System.***out***.println("Sum is"+result);

}

**catch**(Exception e)

{

System.***out***.println(e.getMessage()); //throw AirthmaticException

}

}

2. Throwing UnsupportedOperationException instead of AirthmaticException

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

{

**int** i,j;

**int** result;

System.***out***.println("Hre exception handling is going to start");

**try** {

System.***out***.println("we are performing 10/0");

result=*dividentcheck*(10,0);

System.***out***.println("Sum is"+result);

}

**catch**(UnsupportedOperationException e)

{

System.***out***.println(e.getMessage());

}

}

**public** **static** **int** dividentcheck(**int** i,**int** j)

{

**if**(j==0)

{

**throw** **new** UnsupportedOperationException("Divisor can not be divided by 0");

}

**return** i/j;

3.A> Raise an Exception of

**import** newjava.InsufficientBalanceException;

**class** SavingAccount

{

**int** deposit(**int** i)

{

**return** i;

}

**double** withdrawl(**double** j)

{

**return** j;

}

}

**public** **class** javaassign4 {

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

{

**int** dep;

**double** withdraw;

SavingAccount s1= **new** SavingAccount();

dep =s1.deposit(20000);

withdraw = s1.withdrawl(91000);

**try**

{

**double** total=dep-withdraw;

**if**(total<0)

{

**throw** **new** InsufficientBalanceException("low balance...withdrawl failed");

}

System.***out***.println(total);

}**catch**(Exception e)

{

System.***out***.println(e.getMessage());

}

**finally** {

System.***out***.println("thank you for using our Service");

}}}

B> If withdraw is negative ,show exception that IllegalBankTransactionException,

**import** newjava.IllegalBankTransactionException;

**class** SavingAccount

{

**int** deposit(**int** i)

{

**return** i;

}

**double** withdrawl(**double** j)

{

**return** j;

}

}

**public** **class** javaassign4 {

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

{

**int** dep;

**double** withdraw;

SavingAccount s1= **new** SavingAccount();

dep =s1.deposit(20000);

withdraw = s1.withdrawl(-122222);

**try**

{

**double** total=dep-withdraw;

**if**(total<0)

{

**throw** **new** InsufficientBalanceException("low balance...withdrawl failed");

}

**else** **if**(withdraw<0)

{

**throw** **new** IllegalBankTransactionException("Withdraw amount is negative or less than zero") ;

}

System.***out***.println(total);

}**catch**(Exception e)

{

System.***out***.println(e.getMessage());

}

**finally** {

System.***out***.println("thank you for using our Service");

}

}}