**Question 1**

**package** exceptionHandlingAssignment;

**public** **class** ArithmeticExceptionExample {

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

**try** {

**int** a=5;

**int** b=6;

**int** c=a/0;

System.***out***.println("value of c:"+c);

}

**catch**(ArithmeticException e)

{

System.***out***.println("divide by zero cannot be done");

}

}

}

**Question 3**

**InsufficientBalanceException class:**

**package** exceptionHandlingAssignment;

**public** **class** InsufficientBalanceException **extends** Exception {

**public** InsufficientBalanceException (String str)

{

**super**(str);

}

}

**IllegalBankTransactionException class:**

**public** **class** IllegalBankTransactionException **extends** Exception {

**public** IllegalBankTransactionException (String str)

{

**super**(str);

}

}

**SavingsAccount class:**

**package** exceptionHandlingAssignment;

**import** java.util.Scanner;

**public** **class** SavingsAccount {

**private** **static** **int** *balance*;

**static** **void** withdraw(**int** money) **throws** InsufficientBalanceException,IllegalBankTransactionException{

**if**(money==0 || money>*balance*) {

**throw** **new** InsufficientBalanceException("Insufficient balance");

}

**else** **if**(money<0) {

**throw** **new** IllegalBankTransactionException("Negative balance not allowed");

}

**else** {

System.***out***.println("Thankyou for banking with us.");

}

}

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

*balance*=2000;

System.***out***.println("Enter the amount to withdraw: ");

Scanner sc=**new** Scanner(System.***in***);

*balance*=sc.nextInt();

**try** {

*withdraw*(*balance*);

}**catch**(InsufficientBalanceException e) {

System.***out***.println("Caught the Exception");

System.***out***.println("Exception occured is: "+e);

}**catch**(IllegalBankTransactionException ex){

System.***out***.println("caught Exception");

System.***out***.println("Exception occured is: "+ex);

}

**finally** {

}

sc.close();

}

}