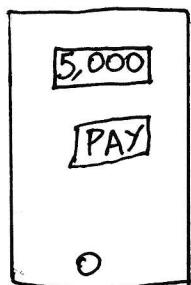


Use of throw, throws & finally



UPI APP



package practice;

```
public class Bank {
```

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

```
        UpiApp ua = new UpiApp();
```

```
        ua.pay();
```

```
}
```

```
{
```

package practice;

```
import java.util.Scanner;
```

```
public class UpiApp {
```



```
void pay() {
```

```
    System.out.println("Connection established with  
    bank");
```

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

```
    System.out.println("please enter amount");
```

```
    int amt = sc.nextInt();
```

```
    System.out.println("Amount paid = " + amt);
```

```
    System.out.println("Connection with bank ended");
```

```
}
```

```
3
```

Output:-

Connection established with bank
please enter amount.

5000

Amount paid = 5000

Connection with bank ended



Output 2:-

Connection established with bank
please enter amount

five

Input Mismatch Exception



Using try-catch

```
package practice;  
public class Bank {  
    public static void main(String[] args)  
    {  
        UpiApp ua = new UpiApp();  
        ua.pay();  
    }  
}
```

```
package practice;  
import java.util.Scanner;  
public class UpiApp {  
    void pay() {
```

System.out.println("Connection established with
bank");



try {

Scanner sc = new Scanner(System.in);

System.out.println("Please enter amount");

int amt = sc.nextInt();

System.out.println("Amount paid = "+amt);

}

catch (Exception e) {

System.out.println("exception handled by upi
app");

}

System.out.println("Connection with bank
ended");

}

}



Output 1:

Connection established with bank
please enter amount

5000

Amount paid = 5000

Connection with bank ended

Output 2:

Connection established with bank

Please enter amount

five

exception handled by Opi app

Connection with bank ended.



Using throw

```
package practice;  
public class Bank {  
    public static void main(String[] args) {  
        try {  
            UpiApp ua = new UpiApp();  
            ua.pay();  
        } catch (Exception e) {  
            System.out.println("Exception info received by bank");  
        }  
    }  
  
    package practice;  
    import java.util.Scanner;  
    public class UpiApp {  
        void pay() {  
            System.out.println("Connection established with  
bank");  
        }  
    }  
}
```



```
try {
```

```
    Scanner sc = new Scanner(System.in);  
    System.out.println("Please enter amount");  
    int amt = sc.nextInt();  
    System.out.println("Amount paid = "+amt);
```

```
}
```

```
catch (Exception e)
```

```
{
```

```
    System.out.println("exception handled by  
    upi app");
```

```
    throw e;
```

```
}
```

```
System.out.println("Connection with bank  
ended");
```

```
}
```



Output 1:

Connection established with bank

Please enter amount

5000

Amount paid = 5000

Connection with bank ended.

Output 2:

Connection established with bank

please enter amount

five

exception handled by upi app

Exception info received by bank



Using finally:

```
package practice;
public class Bank {
    public static void main (String []args) {
        {
            try {
                UpiApp ua = new UpiApp ();
                ua.pay ();
            }
            catch (Exception e) {
                System.out.println ("Exception info received
                    by bank");
            }
        }
    }
}
```



```
package practice;  
import java.util.Scanner;  
public class UpiApp {
```

```
void pay() {
```

```
    System.out.println ("Connection established with  
    bank");
```

```
try {
```

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

```
    System.out.println ("Please enter amount");
```

```
    int amt = sc.nextInt();
```

```
    System.out.println ("Amount paid = "+ amt);
```

```
}
```

```
catch (Exception e) {
```

```
    System.out.println ("exception handled by  
    upi app");
```

```
    throw e;
```

```
}
```



Finally {

System.out.println ("Connection with bank
ended");

}

}

}

Output 1:-

Connection established with bank

Please enter amount

5000

Amount paid = 5000.

Connection with bank ended.

Output 2:-

Connection established with bank

Please enter amount

five

exception handled by UPI app

Connection with bank ended

Exception info receive by bank.



throws

package practice;

public class Bank {

 public static void main(String[] args)
 { UpiApp ua = new UpiApp();
 ua.pay();

}

{

package practice;

import java.util.Scanner;

public class UpiApp {

void pay() throws Exception {

 System.out.println("Connection established
 with bank");

try {

```
Scanner sc = new Scanner (System.in);
System.out.println ("Please enter amount");
int amt = sc.nextInt();
System.out.println ("Amount paid = "+amt);
```

}

catch (Exception e) {

```
System.out.println ("exception handled by
upi app");
```

throw e;

}

finally {

```
System.out.println ("Connection with bank
ended ");
```

}
}

