

1.

try:

```
x = int(input("Enter the Dividend: "))
```

```
y = int(input("Enter the Divisor: "))
```

```
c = x/y
```

```
print(c)
```

except:

```
print("Error: Division by zero is not possible")
```

finally:

```
print("Program run finished")
```

2.

```
l = []
```

```
i = int(input("Enter the no. of elements in the List: "))
```

```
for j in range(i):
```

```
    l.append(int(input("Enter Value: ")))
```

```
print("List is: ",l)
```

try:

```
a = int(input("Enter the index for which you want to see the value...\n"))
```

```
print(l[a])
```

except:

```
print("Error: list index out of range")
```

finally:

```
print("Program run finished")
```

3.

```
def isPrime(n):  
    for i in range(2,n):  
        if n%i==0:  
            return False  
    return True  
  
while True:  
    num = int(input("Enter a Number: "))  
    try:  
        if num<=0:  
            raise Exception("Enter a value Greater than 1\n")  
        else:  
            if num==1:  
                print("1 is neither prime nor composite")  
            elif isPrime(num):  
                print("Prime")  
                break  
            else:  
                print("Composite")  
                break  
    except:  
        print("Numbers less than zero are not considered")
```

4.

```
import time

n = int(input("Enter the no. of items in a dictionary: "))

d = {}

for i in range(n):

    print("Excepting values for User No. : ",i+1)

    U = input("Enter the Username: ")

    d[U] = input("Enter the Password: ")


for j in range(3,0,-1):

    print("<<<Enter Your Login Details>>>")

    userName = input("Enter your UserName: ")

    password = input("Enter the password: ")

    flag = 0

    try:

        for i in d:

            if userName==i:

                if password==d[i]:

                    print("Successful Login.....\n")

                    f = open("File.txt","r")

                    time.sleep(10)

                    print(f.read())

                    flag=1

                    break

        else:

            raise ValueError
```

```

except ValueError:

    if j-1 ==0:

        print("You have already tried 3 times...")

        break

    else:

        print("Invalid input...Try again... ",j-1," tries left")

finally:

    print("Closing the File")

    f.close()

if flag==1:

    break

```

5.

```

try:

    n = int(input("Enter a nuber whose factorial you wanna find: "))

    if n<=0:

        raise Exception

    else:

        fact = 1

        for i in range(n,1,-1):

            fact *= i

        print("The Factorial is: ",fact)

except Exception:

    if n==0:

        print("The Factorial of 0 is : 0")

    else:

```

```
        print("Cannot find the factorial of negative numbers...")
except ValueError:
    print("ValueError: invalid literal for int() with base 10: ")
```