Write a program to demonstrate use of try, except and finally keywords.

```
In [2]:  try:
             n = int(input("Enter a number")) # if we input anything except for number pr

             if n == 10:
                 n = n / 0      # Here ZeroDivisionError occurs since numbers are not divis
                 print(n)
             else:
                 print("Number is not equal to 10")
         except Exception as e:
             print("Execoption occured: ",e)
         finally:
             print("This will always be executed")   # Finally block will always be execu
```

```
Enter a numberdain
Execoption occured:  invalid literal for int() with base 10: 'dain'
This will always be executed
```

```
In [4]:  try:
             n = int(input("Enter a number")) # if we input anything except for number pr

             if n == 10:
                 n = n / 0      # Here ZeroDivisionError occurs since numbers are not divis
                 print(n)
             else:
                 print("Number is not equal to 10")
         except Exception as e:
             print("Execoption occured: ",e)
         finally:
             print("This will always be executed")   # Finally block will always be execu
```

```
Enter a number10
Execoption occured:  division by zero
This will always be executed
```

```
In [ ]:
```

```
In [ ]:
```

Write a program to design custom exceptions.

```
In [12]:  class CustomException(Exception):

              pass

              def __str__(self):
                  return "Custom Exception: Given number is not 10"


          try:
```

```
    n = int(input("Enter a number: "))
    if n/10 != 1:
        raise CustomException
    else:
        print("Given number is",n)

except CustomException as ce:
    print("Exececion occured: ", ce)
```

```
Enter a number: 10
Given number is 10
```

In [14]:
```
class CustomException(Exception):

    pass

    def __str__(self):
        return "Custom Exception: Given number is not 10"


try:
    n = int(input("Enter a number: "))
    if n/10 != 1:
        raise CustomException
    else:
        print("Given number is",n)

except CustomException as ce:
    print("Exececion occured: ", ce)
```

```
Enter a number: 20
Exececion occured:  Custom Exception: Given number is not 10
```

In [ ]: