In [1]:
```
#Exception Handling
try:
    print("hello")
    print(10/0)
except ZeroDivisionError:
    print("10 is not divisible by 0")
```

```
hello
10 is not divisible by 0
```

In [5]:
```
try:
    print("hello world")
    print(10/"raghu")
except TypeError:
    print("number is not divisible by string")
```

```
hello world
number is not divisible by string
```

In [7]:
```
try:
    print(10/"hello")
    try:
        print(hello)
        print(10/0)
    except ZeroDivisionError:
        print("10 is not divisible by 0")
except TypeError:
    print("Error to be solved")
```

```
Error to be solved
```

In [8]:
```
try:
    print("hello")
    try:
        print(10/"str")
        try:
            print(10/0)
        except ZeroDivisionError:
            print("10 is not divisible by 0")
    except TypeError:
        print("10 is not divisible by str")
except:
    print("hello world")
```

```
hello
10 is not divisible by str
```

In [13]:
```
print("hello")
try:
    x=int(input("enter the first number"))
    y=int(input("enter the second number"))
    print(x/y)
except ZeroDivisionError:
    print("number is not divisible by 0")
except TypeError:
    print("number is not divisible by string")
except:
    print("error is solved")
print("there is no error")
```

```
hello
enter the first number10
enter the second number0
number is not divisible by 0
there is no error
```

In [2]:
```
try:
    x=int(input("Enter First Number: "))
    y=int(input("Enter Second Number: "))
    print(x/y)
except ZeroDivisionError:
    print("Plz Provide valid numbers only and problem is: ")
```

```
Enter First Number: 10
Enter Second Number: 0
Plz Provide valid numbers only and problem is:
```

In [3]:
```
try:
    x=int(input("enter the first number"))
    y=int(input("enter the second number"))
    print(x/y)
except:
    print("issue is solved")
```

```
enter the first number10
enter the second number0
issue is solved
```

In [7]:
```
try:
    x=int(input("enter the first number"))
    y=int(input("enter the second number"))
    print(x/y)
except(ZeroDivisionError,ValueError) as msg:
    print("issue is solved",msg)
```

```
enter the first number100
enter the second number0
issue is solved division by zero
```

In [8]:
```
try:
    x=int(input("Enter First Number: "))
    y=int(input("Enter Second Number: "))
    print(x/y)
except ZeroDivisionError:
    print("ZeroDivisionError:Can't divide with zero")
except:
    print("Default Except:Plz provide valid input only")
```

```
Enter First Number: 10
Enter Second Number: str
Default Except:Plz provide valid input only
```

In [9]:
```
 try:
    print(10/0)
except:
    print("Default Except")
except ZeroDivisionError:
    print("ZeroDivisionError")
```

```
  File "C:\Users\AMULYA~1\AppData\Local\Temp/ipykernel_20660/3229770068.py", li
ne 2
    print(10/0)
    ^
SyntaxError: default 'except:' must be last
```

In [11]:
```
#try,except,finally
try:
    print("try")
except:
      print("except")
finally:
       print("finally")
```

```
try
finally
```

In [15]:
```
try:
    print("hello")
    print(10/0)
except ZeroDivisionError:
    print("not divisible by zero")
except TypeError:
    print("not divisible by string")
finally:
    print("session has been done")
```

```
hello
not divisible by zero
session has been done
```

In [16]:
```
try:
    print("hello")
    print(10/0)
except TypeError:
    print("not divisible by string")
finally:
    print("session has been done")
```

```
hello
session has been done


---------------------------------------------------------------------------
ZeroDivisionError                         Traceback (most recent call last)
C:\Users\AMULYA~1\AppData\Local\Temp/ipykernel_20660/4137148867.py in <module>
      1 try:
      2     print("hello")
----> 3     print(10/0)
      4 except TypeError:
      5     print("not divisible by string")

ZeroDivisionError: division by zero
```

In [18]:
```
try:
    print("outer try block")
    try:
        print("Inner try block")
        print(10/0)
    except ZeroDivisionError:
        print("Inner except block")
    finally:
        print("Inner finally block")
except:
    print("outer except block")
finally:
    print("outer finally block")
```

```
outer try block
Inner try block
Inner except block
Inner finally block
outer finally block
```

In [20]:
```
try:
    print("try")
    #print(10/0)
except:
    print("except")
else:
    print("else")
finally:
    print("finally")
```

```
try
else
finally
```

In [22]:
```
class TooYoungException(Exception):
    def init(self,arg):
        self.msg=arg
class TooOldException(Exception):
    def init(self,arg):
        self.msg=arg
age=int(input("Enter Age:"))
if age>60:
    raise TooYoungException("Plz wait some more time you will get best match soor
elif age<18:
    raise TooOldException("Your age already crossed marriage age...no chance of g
else:
    print("You will get match details soon by email!!!")
```

```
Enter Age:50
You will get match details soon by email!!!
```

In [ ]:
```

```