

```
In [1]: x=10
        if x==10
            print("Hello")
```

File "C:\Users\ABBLEA~1\AppData\Local\Temp\ipykernel_6040\1696208063.py", line 2

```
    if x==10
        ^
```

SyntaxError: invalid syntax

```
In [2]: print(10/0)
```

```
-----
ZeroDivisionError                                Traceback (most recent call last)
C:\Users\ABBLEA~1\AppData\Local\Temp\ipykernel_6040\179726827.py in <module>
----> 1 print(10/0)
```

ZeroDivisionError: division by zero

""" ZeroDivisionError, TypeError, ValueError, FileNotFoundError, EOFError, SleepingError, TyrePuncturedError """

```
In [4]: print("stmt-1")
        try:
            print(10/0)
        except ZeroDivisionError:
            print("the above stmt is wrong",10/2)
        print("stmt-3")
```

```
stmt-1
the above stmt is wrong 5.0
stmt-3
```

```
In [7]: try:
        print(10/0)
    except ZeroDivisionError as msg:
        print("exception raised and its description is:",msg)
```

exception raised and its description is: division by zero

finally

```
In [8]: try:
        print("try")
        except:
            print("except")
        finally:
            print("finally")
```

```
try
finally
```

```
In [1]: 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 [1]: print("hello")
        print(10/0)
```

File "C:\Users\ABBLEA~1\AppData\Local\Temp\ipykernel_15448\2051718335.py", line 2

```
    print(10/0)
    ^
```

IndentationError: unexpected indent

```
In [2]: try:
        print("hello")
        print(10/0)
    except ZeroDivisionError:
        print("10 is not divisible by 0")
```

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

```
In [3]: try:
        print("hi")
                                     #print(10/0)      # stmt 1
        try:
            print(188/"string") # stmt 2
        except TypeError:
            print("error has occur")
    except ZeroDivisionError:
        print("10 is not divisible by 0")
```

hi
error has occur

```
In [4]: try:
        print(10/0)
    except ZeroDivisionError as aaa:
        print(aaa)
```

division by zero

```
In [5]: try:
        #print("str"/12)
        try:
            #print(10/0)
            try:
                #print(11/"sss")
                try:
                    print("something")
                except ZeroDivisionError:
                    print("error4")
            except TypeError:
                print("error3")
        except ZeroDivisionError:
            print("error2")
    except TypeError:
        print("error1")
```

something

```
In [6]: try:
        x=int(input("Enter First Number: "))
        y=int(input("Enter Second Number: "))
        print(x/y)
    except ZeroDivisionError :
        print("Can't Divide with Zero")
    except ValueError:
        print("please provide int value only")
```

Enter First Number: 10
Enter Second Number: 12
0.8333333333333334

```
In [7]: 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: 11
Enter Second Number: 11
1.0
```

```
In [8]: try:
        print("ss")
```

```
File "C:\Users\ABBLEA~1\AppData\Local\Temp\ipykernel_15448\2421216666.py", line 3
```

^

SyntaxError: unexpected EOF while parsing

```
In [ ]:
```