

In [2]:

```
-----  
-----  
NameError Traceback (most recent call last)  
Cell In[2], line 3  
    1 print("hello")  
    2 print("hai")  
----> 3 num1=eval(input("enter a num1:"))  
    4 num2=eval(input("enter a num2:"))  
    5 print(num1+num2)  
  
File <string>:1  
  
NameError: name 'python' is not defined
```

Exception handling

try-except

```
try:  
    ###actual code###  
except:  
    ### when ever you will encounter error  
    in try block  
    ### then you will be in except block  
In [4]: In [7]:
```

In []: In []:

```
print("hello")  
print("hai")  
num1=eval(input("enter a num1:"))  
num2=eval(input("enter a num2:"))  
print(num1+num2)  
print("over")
```

```
# 6 lines  
# 3rd line  
# 4 5 6 will not run
```

```
# 3rd line does not matter  
# even i will get the error  
# i want to execute 4 5 6
```

```
hello  
hai  
enter a num1:python
```

```
In [9]:  
#0/20 # 0
```

```
20/0 # not defined
```

```
-----  
ZeroDivisionError Traceback (most recent  
call last)  
Cell In[4], line 2  
  1 #0/20 # 0  
----> 2 20/0
```

ZeroDivisionError: division by zero

```
num1=eval(input("enter a num1:"))  
num2=eval(input("enter a num2:"))  
print(num1/num2)
```

```
# how may types  
# syntax error  
# Name error  
# undefined error  
# zero division error
```

```
enter a num1:20  
enter a num2:0
```

```
-----  
ZeroDivisionError Traceback (most recent  
call last)  
Cell In[7], line 3  
  1 num1=eval(input("enter a num1:"))  
  2 num2=eval(input("enter a num2:"))  
----> 3 print(num1/num2)  
  
ZeroDivisionError: division by zero
```

```
try:  
    num1=eval(input("enter a num1:"))  
    num2=eval(input("enter a num2:"))  
    print(num1/num2)  
  
except:  
    print("zero division error")  
    print('hello')
```

```
enter a num1:20  
enter a num2:0  
zero division error  
hello
```

```
-----  
In [13]: In [15]:
```

```
num1:"))  
num2=eval(input("enter a  
num2:")) print(num1/num2)  
print("hello")  
print("python")
```

```
except:  
    print("you got error in try  
block") print("now im in  
except block")  
    print("now i will show the  
error") print("zero division  
error")  
    num1=eval(input("enter a  
num1:"))  
    num2=eval(input("enter a  
num2:")) print(num1+num2)
```

```
now im in try block  
enter a num1:20  
enter a num2:0  
you got error in try block  
now im in except block  
now i will show the error  
zero division error  
enter a num1:200  
enter a num2:300  
500
```

```
try:  
    print("now im in try block")str1='hello'  
    num1=eval(input("enter a str2='python'
```

```

print(str1)
print(str2)                # hello
##### python
##### try:                # 0.1
    n1=20                   # 1
    n2=200                  # 2
    print(n1/n2) # 20/0 error # hellopython
except:
    print("zero division error")hello
    print('okay')           python
#####0.1
#####1
print(1)                    2
print(2)                    hellopython
print(str1+str2)
In [23]: In [17]:

```

NameError Traceback (most recent call last)

Cell In[17], line 1

```

----> 1 num1=eval(input("enter a num1:"))
      2 num2=eval(input("enter a num2:"))
      3 print(num1/num2)

```

File <string>:1

NameError: name 'python' is not defined

```

try:
    num=eval(input("enter a number:"))
    if num%2==0:
        print(f"{num} is an even")
    else:
        print(f"{num} is an odd")

```

```

except Exception as e:
    print(e)

```

```
print(3+5)
```

```

enter a number:t
name 't' is not defined
8

```

In [27]:

```

In [26]:
try:
    num1=eval(input("enter a num1:"))
    num2=eval(input("enter a num2:"))
    print(num1/num2)

except Exception as e:
    print(e)

```

```

enter a num1:20
enter a num2:0
division by zero

```

```

num1=eval(input("enter a num1:"))
num2=eval(input("enter a num2:"))
print(num1/num2)

```

```
enter a num1:python
```

In []: In []:

```

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```

```
In [ ]: In [ ]: In [ ]:
```

```
try:
    num=eval(input("enter the number:"))
    if num>=50:
        print("greater than or equal to 50")
    else:
        print("less than 50")
except Exception as e:
    print(e)
```

```
enter the number:50
greater than or equal to 50
```

Every code try-except

```
try:
    input("conductor:")
    id1=input("mother:")
    if id1=='yes':
        print("enjoy the free trip")

    else:
        input("conductor:") # pay the money
        input("mother:") #how much
        input("conductor:") # how many km
        dis=eval(input("mother:")) # 25k
        input("mother:") #how much fare for km
        fare=eval(input("conductor:")) #2rs: fare
        total= dis*fare
        print(f"for the distance {dis}, total
        cahрге is {total}")
except Exception as e:
    print(e)
```