

100 Days of DevOps — Day 90- Try and Except **Statement Python**

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Welcome to Day 90 of 100 Days of DevOps, Focus for today is Try and Except Statement Python

crash but in real world situation we don't want this to happen instead we want the

def divideby(num): return 10/num print(divideby(10))

```
Output
The computer doesn't know how to handle divide by zero and Python throws the
error/program crash
```

divideby return 10/num ZeroDivisionError: division by zero

```
def divideby(num):
   try:
      return 10 / num
   except:
      print("Divide by zero error")
print(divideby(10))
```

None

Now if we try to convert something which int can't convert we

Traceback (most recent call last):

from loggingcode import convert

```
File "/usr/local/lib/python3.6/site-
  packages/IPython/core/interactiveshell.py", line 2881, in run_code
   exec(code_obj, self.user_global_ns, self.user_ns)
   File "<ipython-input-6-891f5d73f0fd>", line 1, in <module>
   convert('hello')
   File "/Users/plakhera/Downloads/salesforce-spring-
  2017/loggingcode.py", line 3, in convert
   x = int(num)
  ValueError: invalid literal for int() with base 10: 'hello'
NOTE: Here ValueError is the type of exception object
Now let's try to re-write this code and use try/except block so that we can
handle
  >>> def convert(num):
  ... try:
  ... x = int(num)
  ... return x
  ... except ValueError:
```

Slack: https://devops-myworld.slack.com/messages/CF41EFG49/ GitHub Link: https://github.com/100daysofdevops

D-day is just one day away and finally, this is a continuation of the post(I posted a month

Looking forward from you guys to join this journey and spend a minimum an hour

Get an email whenever Prashant Lakhera publishes.

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Getting an error or exception in python program means the entire program will program to detect these type of error/exception and continue to run. print(divideby(0))

1.0 print(divideby(0)) File "/Users/plakhera/medium_python/firstprogram.py", line 2, in Now let's use try and except

So the moment it hits Divide by zero error, code moves to except block and that prevent the program from crashing Output

print(divideby(0))

Divide by zero error

def convert(num):

convert('hello')

x = int(num)

return x

convert(1)

Now let's take a look at other pieces of code

convert('1') received a traceback as int dont know how to convert string

1

... print("Please enter a valid number") >>> convert(3) 3 >>> convert("3") 3

>>> convert("three")

Please enter a valid number

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