



[Hindi] Try, Except, Else and Finally in python explained | Advanced python tutorials in Hindi



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Try, Except, Else and Finally in python explained | Advanced python tutorials

Try: As the word says, this block allows us to try code even with errors and doesn't crash the code.

Except: This block allows us to print the error.

Else: If try works then else will execute, out of except and else only one thing executes. It will be easier to understand if you analyze the picture below.

Finally: Code in this block will anyway compile, no matter what is in try-except block.

Picture:

```
1.py
1 try:
2     print("try")
3 except:
4     print("except")
5 else:
6     print("else")

2.py
1 try:
2     open("harry.txt")
3 except:
4     print("except")
5 else:
6     print("else")

3.py
1 try:
2     open("harry.txt")
3 except Exception as e:
4     print(e)
5 else:
6     print("else")
```

<pre>Windows PowerShell Copyright (C) Microsoft Corporation. All rights reserved. Try the new cross-platform PowerShell https://aka.ms/pscore6 PS C:\Users\Lovi\Desktop\Blogs> python 1.py try else PS C:\Users\Lovi\Desktop\Blogs></pre>	<pre>Windows PowerShell Copyright (C) Microsoft Corporation. All rights reserved. Try the new cross-platform PowerShell https://aka.ms/pscore6 PS C:\Users\Lovi\Desktop\Blogs> python 2.py except PS C:\Users\Lovi\Desktop\Blogs></pre>	<pre>Windows PowerShell Copyright (C) Microsoft Corporation. All rights reserved. Try the new cross-platform PowerShell https://aka.ms/pscore6 PS C:\Users\Lovi\Desktop\Blogs> python 3.py [Errno 2] No such file or directory: 'harry.txt' PS C:\Users\Lovi\Desktop\Blogs></pre>
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In **1.py**, try and else ran as I told if try is compiling then else will run.

In **2.py**, except ran as there is no such file in the directory and if try isn't running then else won't run.

In **3.py**, except ran because again there is no such file but this time we learnt how to print the error.

```
File Edit Selection View Go Run Terminal Help 4.py - Blogs - Visual Studio Code

4.py
1 try:
2     open("harry.txt")
3 except Exception as e:
4     print(e)
5 else:
6     print("else")
7 finally:
8     print("Final")

TERMINAL
Windows PowerShell
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PS C:\Users\Lovi\Desktop\Blogs> python 4.py
[Errno 2] No such file or directory: 'harry.txt'
Final
PS C:\Users\Lovi\Desktop\Blogs>
```

In **4.py**, finally runs irrespective of try, except, else block. After try and except it will run at the end no matter what.

Some other videos on the channel on same topic:

<https://www.codewithharry.com/videos/python-tutorials-for-absolute-beginners-24>

<https://www.codewithharry.com/videos/python-tutorials-for-absolute-beginners-76>

#tut3a.py file as described in the video

```
try:
    open("this.txt")
except Exception as e:
    print(e)
# open("this.txt")
print("program zinda hai")
```

#tut3b.py file as described in the video

```
try:
    file = open("this.txt", 'r')
except EOFError as e:
    print("eof error")
except IOError as e:
    print("we can handle this error")
finally:
    print("This will be printed irrespective of the exception occurrence")
```

#tut3c.py file as described in the video

```
try:
    print("I will try this code and will throw exception if there is any problem")
except Exception as e:
    print("I will run only if try block fails")
else:
    print("I will run only if there is no exception. Use this to run code which should"
          "only execute if there is no exception")
finally:
    print("This will be printed in every case")
```

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