

## DAY-6

Task 2: Write a pytest test case to check if an exception is raised for a function that divides two numbers.

SOLUTION:

```
def divide_numbers(a,b):
```

```
    if b==0:
```

```
        raise ValueError("cannot divide by zero")
```

```
    return a/b
```

```
import pytest
```

```
def test_divide_numbers_exception():
```

```
    with pytest.raises(ValueError):
```

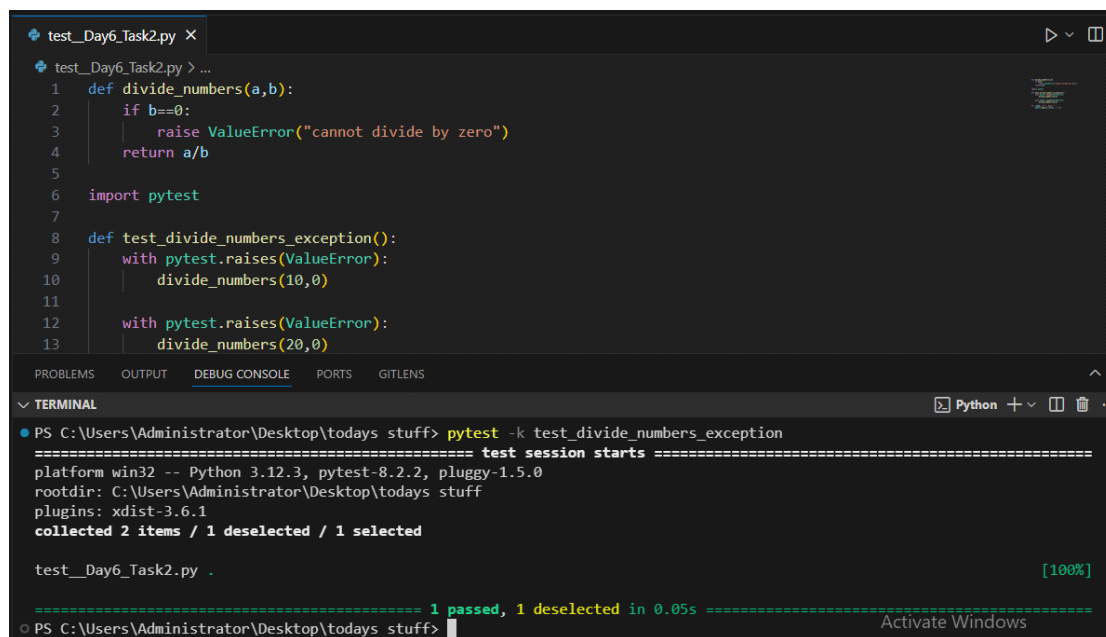
```
        divide_numbers(10,0)
```

```
    with pytest.raises(ValueError):
```

```
        divide_numbers(20,0)
```

```
if __name__ == "__main__":  
    pytest.main([__file__,'v'])
```

OUTPUT:



The screenshot shows a VS Code editor window with a file named `test_Day6_Task2.py`. The code in the file is as follows:

```
1 def divide_numbers(a,b):  
2     if b==0:  
3         raise ValueError("cannot divide by zero")  
4     return a/b  
5  
6 import pytest  
7  
8 def test_divide_numbers_exception():  
9     with pytest.raises(ValueError):  
10         divide_numbers(10,0)  
11  
12     with pytest.raises(ValueError):  
13         divide_numbers(20,0)
```

Below the editor, the **TERMINAL** panel is open, showing the output of running `pytest -k test_divide_numbers_exception`. The output is:

```
PS C:\Users\Administrator\Desktop\todays stuff> pytest -k test_divide_numbers_exception  
===== test session starts =====  
platform win32 -- Python 3.12.3, pytest-8.2.2, pluggy-1.5.0  
rootdir: C:\Users\Administrator\Desktop\todays stuff  
plugins: xdist-3.6.1  
collected 2 items / 1 deselected / 1 selected  
  
test_Day6_Task2.py . [100%]  
  
===== 1 passed, 1 deselected in 0.05s =====  
PS C:\Users\Administrator\Desktop\todays stuff>
```

An "Activate Windows" watermark is visible in the bottom right corner of the terminal panel.