```
:NameError
           s= 'ali'
           # print(s + 2)
                                   : TypeError
           # s.append('reza')
                                  :AttributeError
           lst = [15, 20, 17]
           # print(lst[3])
                                  : IndexError
           # print(lst + 4)
                                  : TypeError
           # Lst.add(5)
                                  : AttributeError
           d = \{'a' : 5, 'b' : 6\}
           # print(d['f'])
                                  : KeyError
           \# x = 8/0
                                    : ZeroDivisionError
In [ ]: ► try:
               print(k)
           except NameError:
               print('error')
                                     # error
In [ ]: ► try:
               print(k)
           except NameError as ne:
               print(ne)
                                   # name 'k' is not defined
In [ ]: ▶ s = 'ali'
           try:
                print(s + 2)
           except TypeError as te:
               print(te) # can only concatenate str (not "int") to str
In [ ]: ► try:
               x = 8 / 2
           except ZeroDivisionError as ze:
               print(ze)
           else:
               print(x)
                           # 4
```

```
In [ ]: M def divide(x, y):
               try:
                   r = x / y
               except ZeroDivisionError:
                   print('error')
               else:
                   print(r)
               finally:
                   print('by')
           divide(2, 1)
                             # 2.0
                                       by
           divide(4, 0)
                              # error
                                       bу
In []: Ms = '23'
           try:
              i = int(s)
           except ValueError:
               i = -1
           print(i)
                                 # 23
In [ ]: ► s = 'a'
           try:
              i = int(s)
           except ValueError:
               i = -1
           print(i)
                               # -1
try:
                   if n == 13:
                       raise ValueError('unlucky number')
                   return 20 / n
               except (ZeroDivisionError , TypeError):
                   return 'Enter s number other than 0'
           print(f(5))
                            # 4
           print(f(0))
                            # Enter s number other than 0
           print(f('a')) # Enter s number other than 0
           #print(f(13))
                            # unlucky number
```

```
In [ ]: ▶ # Nested try except Blocks
            try:
                print(5 / 0)
                try:
                    print(n)
                except NameError as ne:
                    print(ne)
            except ZeroDivisionError as ze:
               print(ze)
                                                  # division by zero
In [ ]: ► try:
                print(5 / 2)
                try:
                    print(n)
                except NameError as ne:
                    print(ne)
            except ZeroDivisionError as ze:
               print(ze)
            2.5
            name 'n' is not defined
In [ ]: ► | try :
                n = int(input('enter:'))
                assert n % 2 == 0
            except:
                print('Not even')
```

```
دانشگاه شهید مدنی آذربایجان
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امین گلزاری اسکوئی
۱۲۰۰–۱۲۰۱
```

Codes and Projects (click here) (https://github.com/Amin-Golzari-Oskouei/Python-Programming-Course-Basic-2021) slides and videos (click here) (https://drive.google.com/drive/folders/1ZsQjBJJ4UAAp9zrGxm3c4grhnvGBUYHw)

print(n * 2)