```python
In [1]:  class father():
             def gardening(self):
                 print("i enjoy garending")
         class mother():
             def cooking(self):
                 print('i love cooking')
         class child(father,mother):
             def sports(self):
                 print('i love sports')
```

```python
In [6]:  c=father()
         c.gardening()
```

```
i enjoy garending
```

```python
In [8]:  d=mother()
         d.cooking()
```

```
i love cooking
```

```python
In [10]: e=child()
         e.gardening()
         e.cooking()
         e.sports()
```

```
i enjoy garending
i love cooking
i love sports
```

```python
In [11]: class father():
             def skills(self):
                 print("garending,coding")
         class mother():
             def skills(self):
                 print('cooking and playing games')
         class child(father,mother):
             def skills(self):
                 father.skills(self)
                 mother.skills(self)
                 print(' sports')
```

```python
In [12]: c=child()
         c.skills()
```

```
garending,coding
cooking and playing games
 sports
```

```python
In [13]: ### raise standard exception
```

```python
In [16]: try:
             raise Exception('cant dividon by zero')
         except Exception as e:
             print(e)
```

```
cant dividon by zero
```

```python
In [17]: try:
             raise ZeroDivisionError('cant dividon by zero')
         except ZeroDivisionError as e:
             print(e)
```

```
cant dividon by zero
```

```python
In [18]: try:
             raise MemoryError('memory error')
         except MemoryError as e:
             print(e)
```

```
memory error
```

```python
In [32]: class Accident(Exception):
             def __init__(self,msg):
                 self.msg=msg
             def executions(self):
                 print("my defined function:",self.msg)
```

```python
In [33]: try:
             raise Accident("carsh between two bikes")
         except Accident as a:
             a.executions()
```

```
my defined function: carsh between two bikes
```

```python
In [41]: def opening_file():
             try:
                 f=open('C:\\data\\para.txt','r')
                 print(f.read())
                 x=1/0
             except FileNotFoundError as e:
                 print('file not found inside the folder')
             finally:
                 print("searching the  file")
                 f.close()
```

```python
In [42]: opening_file()
```

```
A well-organized paragraph supports or develops a single controlling idea,
which is expressed in a sentence called the topic sentence.
A topic sentence has several important functions:
it substantiates or supports an essay's thesis statement;
searching the  file

---------------------------------------------------------------------------
ZeroDivisionError                         Traceback (most recent call last)
<ipython-input-42-222567219382> in <module>
----> 1 opening_file()

<ipython-input-41-e1f9972d5f9f> in opening_file()
      3         f=open('C:\\data\\para.txt','r')
      4         print(f.read())
----> 5         x=1/0
      6     except FileNotFoundError as e:
      7         print('file not found inside the folder')

ZeroDivisionError: division by zero
```

```python
In [ ]:
```