## Demo program:

**module1.py:**

```
1)  def f1():
2)      if __name__=='__main__':
3)          print("The code executed as a program")
4)      else:
5)          print("The code executed as a module from some other program")
6)  f1()
```

**test.py:**

```
1)  import module1
2)  module1.f1()
3)
4)  D:\Python_classes>py module1.py
5)  The code executed as a program
6)
7)  D:\Python_classes>py test.py
8)  The code executed as a module from some other program
9)  The code executed as a module from some other program
```

## Working with math module:

Python provides inbuilt module math.
This module defines several functions which can be used for mathematical operations.
The main important functions are

1. sqrt(x)
2. ceil(x)
3. floor(x)
4. fabs(x)
5.log(x)
6. sin(x)
7. tan(x)
....

**Eg:**

```
1)  from math import *
2)  print(sqrt(4))
3)  print(ceil(10.1))
4)  print(floor(10.1))
5)  print(fabs(-10.6))
6)  print(fabs(10.6))
```