Python Modules Exercise

1.	Write a program "Python Module" name that as "**mathfunc**" that prints absolute value, square root, and cube of a numbers. Expected results: *>>> import mathfunc* *>>> mathfunc.abs(-5)* *5* *>>>mathfunc.sqrt(16)* *4* *>>>mathfunc.cube(2)* *8*
2.	What is DocString?
3.	What is Package?
4.	Write a python module, name that as "**comparator**" that print weather number is even, odd, prime number, greater number Expected results: *>>> import comparator* *>>> comparator.iseven(5)* *False* *>>> comparator.isodd(5)* *True* *>>> comparator.prime(21)* *False* *>>> comparator.prime(23)* *True* *>>> comparator.greater(5,7)* *7 is greater than 5*

5.	Write a menu driven program using python module, to perform calculator operations such as addition, subtracting, multiplication, division of two integers
	
	Expected results:
	`>>> import calculator`
	`>>> calculator.add(5,2)`
	`7`
	`>>> calculator.sub(5,2)`
	`3`
	`>>> calculator.mul(5,2)`
	`10`
	`>>> calculator.div(10,2)`
	`5`

6	Write a program to draw following pattern on the screen

```
*****
!    !
!    !
!    !
!    !
*****
```

7.	Write a program to draw following pattern on the screen

	`|  |  |  |  |  |  |`
	`|…|…|…|…|…|`
	`|  |  |  |  |  |  |`
	`|  |  |  |  |  |  |`
	`|  |  |  |  |  |  |`

8.	Write a function called **printStatus** that is passed status code 'S' , 'M' , 'D', or 'U' and returns the string "Separated", "Married", "Divorced" or "Unmarried", respectively. In case an inappropriate letter is passed, print an appropriate message. Also incude, a docstring with you function