In [6]:
```python
# volid user details or not
uname=input('enter u name')
pwd= input('enter password')
if uname=='sin' and pwd=='123':
    print('valid user details')
else:
    print('valid')
```

```
enter u namesathish
enter passwordsathish123
valid
```

syntax for if,elif,else

if condition: stmt to execute clif condition: stmt to execute else: stmt to execute

In [10]:
```python
# even or odd
n= int(input('enter number'))
if n%2==1:
    print(n, 'is even')
else:
    print(n, 'is odd')
```

```
enter number234
234 is odd
```

elif biggest amoung 3

In [1]:
```python
a=int(input('enter a value'))
b=int(input('enter b value'))
c=int(input('enter c value'))
if a>b and a>c:
    print(a,'is biggest')
elif b>c:
    print(b,'is biggest')
else:
    print(c,'is biggest')
```

```
enter a value44
enter b value33
enter c value34
44 is biggest
```

In [4]:
```python
a=int(input('enter a value'))
b=int(input('enter b value'))
c=int(input('enter c value'))
if a==b and a==c:
    print('all are equal')
elif a>b and a>c:
    print(a,'is biggest')
elif b>c:
    print(b,'is biggest')
else:
    print(c,'is biggest')
```

```
enter a value44
enter b value33
enter c value34
44 is biggest
```

```
In [5]: dir(__builtins__)
```

```
Out[5]: ['ArithmeticError',
         'AssertionError',
         'AttributeError',
         'BaseException',
         'BlockingIOError',
         'BrokenPipeError',
         'BufferError',
         'BytesWarning',
         'ChildProcessError',
         'ConnectionAbortedError',
         'ConnectionError',
         'ConnectionRefusedError',
         'ConnectionResetError',
         'DeprecationWarning',
         'EOFError',
         'Ellipsis',
         'EnvironmentError',
         'Exception',
         'False',
         'FileExistsError',
         'FileNotFoundError',
         'FloatingPointError',
         'FutureWarning',
         'GeneratorExit',
         'IOError',
         'ImportError',
         'ImportWarning',
         'IndentationError',
         'IndexError',
         'InterruptedError',
         'IsADirectoryError',
         'KeyError',
         'KeyboardInterrupt',
         'LookupError',
         'MemoryError',
         'ModuleNotFoundError',
         'NameError',
         'None',
         'NotADirectoryError',
         'NotImplemented',
         'NotImplementedError',
         'OSError',
         'OverflowError',
         'PendingDeprecationWarning',
         'PermissionError',
         'ProcessLookupError',
         'RecursionError',
         'ReferenceError',
         'ResourceWarning',
         'RuntimeError',
         'RuntimeWarning',
         'StopAsyncIteration',
         'StopIteration',
         'SyntaxError',
         'SyntaxWarning',
         'SystemError',
         'SystemExit',
```

```
'TabError',
'TimeoutError',
'True',
'TypeError',
'UnboundLocalError',
'UnicodeDecodeError',
'UnicodeEncodeError',
'UnicodeError',
'UnicodeTranslateError',
'UnicodeWarning',
'UserWarning',
'ValueError',
'Warning',
'WindowsError',
'ZeroDivisionError',
'__IPYTHON__',
'__build_class__',
'__debug__',
'__doc__',
'__import__',
'__loader__',
'__name__',
'__package__',
'__spec__',
'abs',
'all',
'any',
'ascii',
'bin',
'bool',
'breakpoint',
'bytearray',
'bytes',
'callable',
'chr',
'classmethod',
'compile',
'complex',
'copyright',
'credits',
'delattr',
'dict',
'dir',
'display',
'divmod',
'enumerate',
'eval',
'exec',
'filter',
'float',
'format',
'frozenset',
'get_ipython',
'getattr',
'globals',
'hasattr',
'hash',
```

```
        'help',
        'hex',
        'id',
        'input',
        'int',
        'isinstance',
        'issubclass',
        'iter',
        'len',
        'license',
        'list',
        'locals',
        'map',
        'max',
        'memoryview',
        'min',
        'next',
        'object',
        'oct',
        'open',
        'ord',
        'pow',
        'print',
        'property',
        'range',
        'repr',
        'reversed',
        'round',
        'set',
        'setattr',
        'slice',
        'sorted',
        'staticmethod',
        'str',
        'sum',
        'super',
        'tuple',
        'type',
        'vars',
        'zip']
```

In [6]: `range(10)`

Out[6]: range(0, 10)

In [7]: `range(5,10)`

Out[7]: range(5, 10)

In [8]:
```python
n=10
for i in range(1,n):
    print(i)
```

1
2
3
4
5
6
7
8
9

In [10]:
```python
n=10
for i in range(1,n+1):
    print(i,end=',')
    print(i,end='')
```

1,12,23,34,45,56,67,78,89,910,10

In [ ]: