# hello world

In [2]:
```
print("hello mars")
```

```
hello mars
```

In [ ]:
```
a=int(input("enter number "))
if a%2==0:
    print("even")
else:
    print("odd")
```

# converting int into string, float, boolean, complex.

In [20]:
```
a=10
print(a)
print(type(a))
b=str(a)
print(b)
print(type(b))
c=float(a)
print(b)
print(type(c))
d=bool(a)
print(d)
print(type(d))
e=complex(a)
print(e)
print(type(e))
```

```
10
<class 'int'>
10
<class 'str'>
10
<class 'float'>
True
<class 'bool'>
(10+0j)
<class 'complex'>
```

# converting string into int, float, boolean, complex.

In [23]:
```
a='hi'
print(a)
print(type(a))
b=int(a)
print(b)
print(type(b))
c=float(a)
print(b)
print(type(c))
d=bool(a)
print(d)
print(type(d))
e=complex(a)
print(e)
print(type(e))
```

```
hi
<class 'str'>

---------------------------------------------------------------------------
ValueError                                Traceback (most recent call last)
~\AppData\Local\Temp/ipykernel_1600/4282948649.py in <module>
      2 print(a)
      3 print(type(a))
----> 4 b=int(a)
      5 print(b)
      6 print(type(b))

ValueError: invalid literal for int() with base 10: 'hi'
```

# #converting float into int, string, boolean, complex.

In [24]:
```
a=96.96
print(a)
print(type(a))
b=int(a)
print(b)
print(type(b))
c=str(a)
print(b)
print(type(c))
d=bool(a)
print(d)
print(type(d))
e=complex(a)
print(e)
print(type(e))
```

```
96.96
<class 'float'>
96
<class 'int'>
96
<class 'str'>
True
<class 'bool'>
(96.96+0j)
<class 'complex'>
```

# converting boolean into int, string, float, complex.

In [30]:
```
a=False
print(a)
print(type(a))
b=int(a)
print(b)
print(type(b))
c=str(a)
print(b)
print(type(c))
d=float(a)
print(d)
print(type(d))
e=complex(a)
print(e)
print(type(e))
```

```
False
<class 'bool'>
0
<class 'int'>
0
<class 'str'>
0.0
<class 'float'>
0j
<class 'complex'>
```

# converting complex into int, string, float, boolean.

In [31]:
```
a=(96.96+0j)
print(a)
print(type(a))
#b=int(a)
#print(b)
print(type(b))
c=str(a)
print(b)
print(type(c))
d=float(a)
print(d)
print(type(d))
e=bool(a)
print(e)
print(type(e))
```

```
(96.96+0j)
<class 'complex'>

---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
~\AppData\Local\Temp/ipykernel_1600/977937078.py in <module>
      2 print(a)
      3 print(type(a))
----> 4 b=int(a)
      5 print(b)
      6 print(type(b))

TypeError: can't convert complex to int
```

In [ ]:
```

```