

```
In [1]: a=[1,2,3,4]
        print(a)

[1, 2, 3, 4]
```

```
In [ ]: '''
        primitive datatype
        1.integer
        2.float
        3.sring
        4.double
        '''
```

```
In [2]: a=10;
        print("print integer datatype :",a)

print integer datatype : 10
```

```
In [7]: while True:
        x=int(input("Enter a ineger datatype :"))
        print(" a ineger datatype is  :",x)

        print("1.continue\n2.exit")

        choice=int(input('Enter a choice'))
        if choice==2:
            print("peogram is exit")
            break
```

```
Enter a ineger datatype :3456
 a ineger datatype is  : 3456
1.continue
2.exit
Enter a choice2
peogram is exit
```

```
In [ ]: # float
def converter():

    print("\n1.integer to float\n2.float to integer")
    choice=int(input("Enter a choice"))
    if choice==1:
        c=float(x)
        print("integer to floating operation is :",c)
    elif choice==2:
        x=float(input("Enter a float value "))
        c=int(x)
        print("float to integer operation is :",c)
    else:
        print("invalid input")

while True:
    x=int(input("Enter a ineger datatype :"))
    print(" a ineger datatype is  :",x)

    converter()

    print("1.continue\n2.exit")

    choice=(input('Enter a choice'))
    if choice==2:
        print("peogram is exit")
        break
```

```

In [ ]: # float
def converter():

    print("\n1.integer to float\n2.float to integer")
    choice=int(input("Enter a choice"))
    if choice==1:
        c=float(x)
        print("integer to floating operation is :",c)

while True:
    x=int(input("Enter a ineger datatype :"))
    print(" a ineger datatype is  :",x)

    converter()

    print("1.continue\n2.exit")

    choice=(input('Enter a choice'))
    if choice==2:
        print("peogram is exit")
        break

```

```

Enter a ineger datatype :12
a ineger datatype is  : 12

```

```

1.integer to float
2.float to integer
Enter a choice1
integer to floating operation is : 12.0
1.continue
2.exit
Enter a choice2
Enter a ineger datatype :123
a ineger datatype is  : 123

```

```

1.integer to float
2.float to integer
Enter a choice2
1.continue
2.exit
Enter a choice2

```

```

In [ ]: # float
def converter():

    print("\n1.integer to float\n2.float to integer")
    choice=int(input("Enter a choice"))
    if choice==1:
        c=float(x)
        print("integer to floating operation is :",c)

    while True:
        x=int(input("Enter a integer datatype :"))
        print(" a inegetr datatype is  :",x)

        converter()

    print("1.continue\n2.exit")

    choice=(input('Enter a choice'))
    if choice==2:
        print("peogram is exit")
        break

```

Enter a integer datatype :123
a inegetr datatype is : 123

1.integer to float
2.float to integer
Enter a choice2
1.continue
2.exit

```

In [1]: print("\n1.integer to float\n2.float to integer")
        choice=int(input("Enter a choice"))
        if choice==1:
            c=float(x)
            print("integer to floating operation is :",c)

        while True:
            x=int(input("Enter a integer datatype :"))
            print(" a inegetr datatype is  :",x)

            converter()

```

```

In [7]: #3.boolen
def print_and_true():

    print("print_and_true called")
    True

print_and_true()

print_and_true called

```

```
In [8]: print(10 > 9)
        print(10 == 9)
        print(10 < 9)
```

```
True
False
False
```

```
In [12]: a=10;b=2
         print(a>b)
         print(a==b)
         print(a<b)
```

```
True
False
False
```

```
In [13]: x=int(input("Enter a number"))
         y=int(input("Enter a number "))

         print(x>y,x<y,x==y)
```

```
Enter a number2
Enter a number 3
False True False
```

```
In [14]: #3.string
        """
        'siko'
        "siko"
        """

        a='arjun'

        type(a)
```

Out[14]: str

```
In [24]: x=input("Enter a string ")
         for i in x:
             c=type(i)
         print("type is ",c)
```

```
Enter a string arjun
type is <class 'str'>
```

```
In [28]: x=input("Enter a string ")
         for i in x:
             i.append(x)

         print(i)
```

Enter a string arj

```
-----
AttributeError                                Traceback (most recent call last)
<ipython-input-28-0b901cab3e94> in <module>
      1 x=input("Enter a string ")
      2 for i in x:
----> 3     i.append(x)
      4
      5     print(i)

AttributeError: 'str' object has no attribute 'append'
```

In []: