```python
1 print(4/2)#division:float output
2 print(3+2)
3 print(4//2)#floor divison:integer output
4 print(4**2)#power
5 print(3%2)
6 wt=float(input("enter weight"))
7 ht=float(input("enter height"))
8 bmi=wt/(ht**2)
9 print("wt= ",wt)
10 #assignment operators
11 a=2
12 b=3
13 c=a+b
14 a+=2
15 c+=a
16 print(c)
17 #relational operators
18 print(a==5)
19 print(a<=5)
20 print(a>=5)
21 print(a!=5)
22 print(a<5)
23 print(a>5)
24 #logical operators
25 a1=2
26 b1=3
27 print(a1<3 and b1<5)
28 print(a1<2 and b1<1)
29 print(a1<1 and b1<5)
30 print(not(a))
31 #bitwise operators
32 d=5
33 e=4
34 print(d&e)
35 print(d|e)
36 print(d^e)
37 print(d<<2)
38 print(d>>2 )
39 #identity operators
40 f=5
41 print(d is f)
```

```python
42 print(d is not f)
43 print(id(d))
44 f=8
45 print(id(f))
46 print(d is d)
47 print(id(f))
48 #membership operator
49 str='abhi'
50 print('a' in str)
51 print('abh'in str)
52 print('Y'not in str)
53 print('a'not in str)
54 l=[10,20,30,-1,-30]
55 print(10 in l)
56 print(-2 not in l)
57 print(20 not in l)
58 print(15 in l)
```