 # wapp to demo different types

```python
a = 10
print(a, type(a))

b = 3.4
print(b, type(b))

c = "kamal"
print(c, type(c))

d = True
print(d, type(d))


e = [10, 30, 20, 10, 30]
print(e, type(e))

f = (10, 30, 40, 20, 10)
print(f, type(f))

g = {10, 30, 40, 20, 10, 40, 60}
print(g, type(g))

h = {"amit":45, "neha":50}
print(h, type(h))
```

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 # wapp to demo list

```python
d1 = []
print(d1, type(d1))

d2 = [10, 30, 20, 10]
print(d2, type(d2))

d3 = ["amit", "neha", "pooja"]
print(d3, type(d3))

for d in d3:
        print(d)
```

 # wapp to demo list functions

```python
d1 = []
print(d1, type(d1))

d1.append(10)
print(d1)
d1.append(20)
print(d1)
d1.append(15)
print(d1)

d1.extend([30, 40])
print(d1)
d1.extend([10, 20, 40])
print(d1)

d1.remove(10)
print(d1)
d1.remove(15)
print(d1)
# d1.remove(28)
print(d1)

d1.pop()
print(d1)
d1.pop()
print(d1)
d1.pop(1)
print(d1)

d1.clear()
print(d1)
```

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 # wapp to demo list extra functions

```
# sort in asc order
d1 = [10, 30, 40, 20, 45, 23]
print(d1)
d1.sort()
print(d1)

# sort in desc order
d2 = [34, 56, 12, 54, 78]
print(d2)
d2.sort(reverse=True)
print(d2)

# reverse list
d3 = ["amit", "pooja", "sunit", "neha"]
print(d3)
d3.reverse()
print(d3)
```

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