

```
In [ ]: a1 = np.array([2, 3, 4])
a2 = np.array([5, 6, 1])

a_stack = np.stack((a1, a2))
result = np.sum(a_stack, axis=0)

print(result)
```

```
In [3]: import numpy as np

a1 = np.array([2, 3, 4])
a2 = np.array([5, 6, 1])

# Element-wise subtraction
result_subtract = np.subtract(a1, a2)
print(result_subtract)

# Element-wise multiplication
result_multiply = np.multiply(a1, a2)
print(result_multiply)

[-3 -3  3]
[10 18  4]
```

```
In [ ]:
```

```
In [5]: import numpy as np

a1 = np.array([2, 3, 4])
a2 = np.array([5, 6, 1])

# Element-wise subtraction
result_subtract = np.subtract(a1, a2)
print(result_subtract)

# Element-wise multiplication
result_multiply = np.multiply(a1, a2)
print(result_multiply)

[-3 -3  3]
[10 18  4]
```

```
In [6]: import random

random_number = random.randint(1, 100)
print("Random number:", random_number)

Random number: 46
```

```
In [ ]: r4=np.random.randint(1,11,(2,2))
r3
```

```
In [1]: import random
```

```
random_number = random.randint(1, 100)
print("Random number:", random_number)
```

Random number: 6

```
In [ ]: n_items = int(input())
        single_item_Htime = float(input())
        if n_items == 1:
            r_time = single_item_Hitem
        elif n_items == 2:
            r_time = single_item_Htime * 1.5
        elif n_items == 3:
            r_time == single_item_Htime * 2
        else:
            print("number of items is more")
            print(r_time)
```

```
In [ ]: n_items = int(input())
        single_item_Htime = float(input())

        if n_items == 1:
            r_time = single_item_Htime
        elif n_items == 2:
            r_time = single_item_Htime * 1.5
        elif n_items == 3:
            r_time = single_item_Htime * 2
        else:
            print("number of items is more than 3")
            r_time = single_item_Htime * 2
```

```
In [3]: for i in range(0,6):
        print(i**" " )
```

```
*
* *
* * *
* * * *
* * * * *
```

```
In [7]: for i in range(1,6):
        for j in range(1,i+1):
            print(i, end="")
        print()
```

```
1
22
333
4444
55555
```

```
In [9]: for i in range(5, 0, -1):
        for j in range(i):
            print("*", end="")
        print()
```

```
*****  
*****  
***  
**  
*
```

```
In [1]: a = 5  
        while a <=25:  
            print (a,end = "")  
            a=a + 5
```

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```
In [ ]:
```