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In [1]:

```python
var_1 = 100
var_2 = 29
result = ((var_1+var_2)*3)**2
print(result)
```

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In [3]:

```python
Name = input("Please enter your name:")
Year_of_birth = input("Please enter your birth year:")
Age = int(input("Please enter your age:"))
Password =(Year_of_birth[2:4]+Name[0:3]+str(Age**2))
print(Password)
```

```
Please enter your name:Jhon
Please enter your birth year:1995
Please enter your age:26
95Jho676
```

In [3]:

```python
num_1 = int(input("Please enter a number:"))
num_2 = int(input("Please enter a number:"))
if num_1 % 2 == 0 and num_2 % 2 == 0:
    print("Both numbers are even")
elif num_1 % 2 ==0 or num_2 % 2 ==0:
    print("One of the number is even")
elif num_1 % 2 != 0 and num_2 % 2 != 0:
    print("Both numbers are odd")
```

```
Please enter a number:5
Please enter a number:6
One of the number is even
```

```python
Given_integer= int(input("Please enter a number:"))
for x in range(0,Given_integer):
    print(x)
Sum=0+1+2+3+4
print("The sum was:"+ str(Sum))
```

```
Please enter a number:5
0
1
2
3
4
The sum was:10
```

```python
import random
Num_to_guess = random.randint(1,10)
Tries1 = 0
while True:
    Tries1 += 1
    Player1 = int(input("Player1:"))
    if Player1 > Num_to_guess:
        print("Try a smaller number")
    elif Player1 < Num_to_guess:
        print("Try a bigger number")
    else:
        print("That's right!"+"Number of tries:"+ str(Tries1))
        break
import random
Num_to_guess = random.randint(1,10)
Tries2 = 0
while True:
    Player2 = int(input("Player2:"))
    Tries2 += 1
    if Player2 > Num_to_guess:
        print("Try a smaller number")
    elif Player2 < Num_to_guess:
        print("Try a bigger number")
    else:
        print("That's right!"+"Number of tries:"+ str(Tries2))
        break
if Tries1 < Tries2:
    print("Winner is Player1")
elif Tries1 > Tries2:
    print("Winner is Player2")
else:
    print("You all win the game")
```

```
Player1:5
That's right!Number of tries:1
Player2:5
Try a smaller number
Player2:4
Try a smaller number
Player2:3
Try a smaller number
Player2:2
Try a smaller number
Player2:1
That's right!Number of tries:5
Winner is Player1
```