Assignment

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In [1]:
```python
num1 = 100
num2 = 29
sum = num1 + num2
multiply = sum * 3
Exponent = multiply ** 2
print("The results of calculation was", Exponent)
```

```
The results of calculation was 149769
```

In [2]:
```python
Name = input("Enter your name")
Age = int(input("Enter your age"))
Year_of_birth = int(input("Enter your year_of_birth"))
year_digit = str(Year_of_birth)[2:]
name_letters = Name[0:3]
age_squared =str(Age**2)
Passwoard = year_digit + name_letters + age_squared
print("Your passwoard is", Passwoard)
```

```
Enter your nameJohn
Enter your age26
Enter your year_of_birth1995
Your passwoard is 95Joh676
```

In [3]:
```python
num1 = int(input("Enter a number1:"))
num2 = int(input("Enter a number2:"))
mod1 = num1% 2
mod2 = num2% 2
if mod1 == 0 and mod2 == 0:
 print("This both are even,")
elif mod1 == 0 or mod2 == 0:
 print("one of is even.")
else:
 print("both odd,")
```

```
Enter a number1:5
Enter a number2:6
one of is even.
```

In [4]:
```python
n = int(input("Input a number: "))
sum_no = ((n * (n + 1)) / 2) - n
print("Sum of the first", n ,"positive integers:", sum_no)
```

```
Input a number: 5
Sum of the first 5 positive integers: 10.0
```

In [5]:

```python
import random
random_int = random.randint(0, 10)
guess = int(input("Player: "))
while random_int != guess:
    if guess < random_int:
        print ("Try a greater number")
        guess = int(input("Player: "))
    else:
        print ("Try a smaller number")
        guess = int(input("Player: "))

print (f"Congratulations! You guessed the number in tries.")
```

```
Player: 7
Try a greater number
Player: 4
Try a greater number
Player: 6
Try a greater number
Player: 9
Congratulations! You guessed the number in tries.
```