

09th of September 2024

Rathnayake Mudiyanseelage Navodya Sulakshini Rathnayake

```
In [9]: num1=100
num2=29
sum_result=num1+num2
multiplied_result=sum_result*3
final_result=multiplied_result**2
print("The result of the calculation was:")
print("    ", final_result)
```

The result of the calculation was:
149769

```
In [2]: name=input("John")
age=int(input("26"))
year_of_birth=int(input("1995"))
last_two_digits_year=str(year_of_birth)[-2:]
first_three_letters_name=name[:3]
age_squared=str(age**2)
password= last_two_digits_year + first_three_letters_name + age_squared
print("Password:",password)
```

Password: 95Joh676

```
In [19]: num1=int(input("5"))
num2=int(input("6"))
if num1 % 2 == 0 and num2 % 2 == 0:
    print("both numbers are even")

elif num1 % 2 == 0 or num2 % 2 == 0:
    print("one of the numbers is even")

else:
    print("Both numbers are odd")
```

one of the numbers is even

```
In [25]: number=int(input("Give an integer:"))
sum_of_numbers = 0
for i in range(number):
    sum_of_numbers += i

print(f"The sum was: {sum_of_numbers}")
```

The sum was: 10

```
In [30]: import random

def play_game(player_name):
    number_to_guess = random.randint(0, 10)
    tries = 0
    while True:
        guess = int(input(f"{player_name}: "))
        tries += 1
        if guess < number_to_guess:
```

```

        print("Try a greater number.")
    elif guess > number_to_guess:
        print("Try a smaller number.")
    else:
        print(f"That's right! Number of tries: {tries}")
        return tries

def main():
    print("Player 1's turn:")
    player1_tries = play_game("Player 1")
    print("\nplayer 2's turn:")
    player2_tries = play_game("Player 2")
    if player1_tries < player2_tries:
        print(f"\nWinner is Player 1 with {player1_tries} tries.")
    elif player2_tries < player1_tries:
        print(f"\nWinner is player 2 with {player2_tries} tries.")
    else:
        print(f"\nIt's a tie! Both player took {player1_tries} tries.")

if __name__ == "__main__":
    main()

```

Player 1's turn:

That's right! Number of tries: 1

player 2's turn:

Try a greater number.

Try a smaller number.

That's right! Number of tries: 3

Winner is Player 1 with 1 tries.