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1 Assignment 2

1.1 Questions 1

```python
[ ]: A = 100
B = 29


Sum_AandB   = (A + B)

print (Sum_AandB )

Multi_AB = ( A + B ) * 3

print (  Multi_AB )

newresult = (Multi_AB)**2


print (newresult)
```

1.2 Auestions 2

```python
[4]: Name = input("Enter your name: ") ;

birthyear = int(input("Enter your year of birth: "))

age = int(input("Enter your age: ")) ;

Year_last_two_digits = str(birthyear)[-2:]


namefirst_three = Name [:3]

age_2power = str(age ** 2) ;

password = str (Year_last_two_digits + namefirst_three + age_2power)
```

```python
print(f"Your Password is : {password}")
```

```
Enter your name:  John
Enter your year of birth:  1995
Enter your age:  26

Your Password is : 95Joh676
```

1.3 Questions 3

```python
[88]: Number1 = int(input("Enter the first number: "))

      Number2 = int(input("Enter the second Number: "))


      if Number1 / 2 == 1 and Number2 / 2 == 1 :
          print("Both numbers are even.")
      elif Number1 / 2 == 1 or Number2 / 2 == 1 :
          print("One of the numbers is even.")
      else:
          print("Both numbers are odd.")
```

```
Enter the first number:  5
Enter the second Number:  2

One of the numbers is even.
```

1.4 Questions 4

```python
[95]: inputNumber = int(input("Give an integer: "))
      total_Rang = sum(range(inputNumber))
      print(f"The sum was: {total_Rang}")
```

```
Give an integer:  5

The sum was: 10
```

1.5 Questions 5

```python
[9]: import random
     number = random.randint(0, 10)


     tries = 0


     while True:

         player1 = int(input("Player: "))
         tries += 1
```

```python
    if  player1 < number:
        print("Try a greater number.")
    elif  player1 > number:
        print("Try a smaller number.")
    else:
        print(f"That's right! Number of tries: {tries}")
        break
```

Player: 2

Try a greater number.

Player: 7

Try a greater number.

Player: 10

Try a smaller number.

Player: 8

That's right! Number of tries: 4

[ ]:

```python
import random
number = random.randint(0, 10)


tries1 = 0
tries2 = 0

while True:

    player1 = int(input("Player1: "))
    tries1 += 1
    player2 = int(input("Player2: "))
    tries2 += 1

    if  player1 < number:
        print(" Player1 Try a greater number.")
    elif player1 > number:
        print("Player1 Try a smaller number.")
    elif player1 == number:
        print(f"That's right! Number of tries: {tries1} Player1 Win")

    if  player2 < number:
        print(" Player2 Try a greater number.")
    elif player2 > number:
```

```
            print("Player2 Try a smaller number.")
        elif player2 == number:
            print(f"That's right! Number of tries: {tries2} Player2 Win")




break
```

```
Player1:  5
Player2:  2

 Player1 Try a greater number.
 Player2 Try a greater number.

Player1:  10
Player2:  5

Player1 Try a smaller number.
 Player2 Try a greater number.

Player1:  7
Player2:  8

 Player1 Try a greater number.
 Player2 Try a greater number.

Player1:  9
Player2:  9

That's right! Number of tries: 4 Player1 Win
That's right! Number of tries: 4 Player2 Win
```

[ ]: