

Python Practice Tasks

1. Variable Tasks [🔗](#)

Task 1: Basic Variables [🔗](#)

```
1 # Create variables to store:
2 # - Your name (string)
3 # - Your age (integer)
4 # - Your height in meters (float)
5 # - Whether you like Python (boolean)
6 # Print all the variables
```

Task 2: Variable Swapping [🔗](#)

```
1 # Swap the values of two variables
2 a = 5
3 b = 10
4 # Your code here (don't use a temporary variable)
5 # After swapping, a should be 10 and b should be 5
```

2. Operator Tasks [🔗](#)

Task 3: Simple Calculator [🔗](#)

```
1 # Create a calculator that takes two numbers and prints:
2 # - Their sum
3 # - Their difference
4 # - Their product
5 # - Their division result
6 num1 = 10
7 num2 = 5
8 # Your code here
```

Task 4: Modulus Operation [🔗](#)

```
1 # Check if a number is even or odd using the modulus operator
2 number = 7
3 # Your code here (should print "Odd" or "Even")
```

3. If Condition Tasks [🔗](#)

Task 5: Age Checker [🔗](#)

```
1 # Ask for user's age and print:
2 # - "Child" if age < 13
3 # - "Teen" if 13 <= age < 20
4 # - "Adult" if age >= 20
5 age = int(input("Enter your age: "))
6 # Your code here
```

Task 6: Password Checker [🔗](#)

```
1 # Check if a password meets these requirements:
2 # - At least 8 characters long
3 password = input("Enter password: ")
4 # Your code here (print "Valid" or "Invalid")
```

4. While Loop Tasks [🔗](#)

Task 7: Countdown [🔗](#)

```
1 # Print numbers from 10 down to 1 using a while loop
2 # Then print "Happy New Year!"
3 # Your code here
```

Task 8: Guessing Game [🔗](#)

```
1 # Create a number guessing game where:
2 # - The secret number is 5
3 # - User gets unlimited guesses
4 # - Tell user if guess is too high or low
5 # - When correct, print "You won!" and exit
6 secret = 5
7 # Your code here
```

Task 9: Sum of Numbers [🔗](#)

```
1 # Ask user to enter numbers until they enter 0
2 # Then print the sum of all entered numbers
3 total = 0
4 # Your code here
```

5. Combined Tasks [🔗](#)

Task 10: Multiplication Table [🔗](#)

```
1 # Print multiplication table for a number up to 10
2 # Example for 5: 5x1=5, 5x2=10,...5x10=50
3 number = int(input("Enter a number: "))
4 # Your code here
```

Task 11: Simple ATM [🔗](#)

```
1 # Simulate an ATM with:
2 # - Starting balance of 1000
3 # - Options: Check balance, Withdraw, Deposit, Exit
4 # - Use while loop to keep showing menu until Exit
5 balance = 1000
6 # Your code here
```