

Worksheet 2: Beginner Variables

Worksheet

Level: Absolute Beginner

Topic: Python Variables

Website: Python Cubs

Learning Goals

By the end of this worksheet, you will be able to:

- Create variables
 - Store text and numbers
 - Change variable values
 - Use variables with `print()`
 - Build a fun mini project 🎮
-

Student Details

Name: _____

Date: _____

◆ Section 1: Creating Your First Variables

Exercise 1: Create Basic Variables

Create variables for:

- Your name
- Your age
- Your favorite game

```
# Create your variables below

name =
age =
favorite_game =
```

Exercise 2: Print Your Variables

Now print each variable.

```
# Print the variables
```

✓ Expected Output (example):

```
Alex
10
Minecraft
```

Section 2: Changing Variable Values

Exercise 3: Update a Variable

- 1 Create a variable called `score`
 - 2 Set it to 10
 - 3 Change it to 20
 - 4 Print it
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Exercise 4: Level Up! 🎯

Create a variable called `level`.

- Start at level 1
 - Change it to level 2
 - Print both values
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◆ Section 3: Using Variables With print()

Exercise 5: Mix Text and Variables

Complete the code so the output looks like this:

```
My name is Alex
I am 10 years old
My favorite game is Minecraft

print("My name is", )
print("I am", , "years old")
print("My favorite game is", )
```

◆ Section 4: Mini Project 🎨



Character Card Creator

Let's build your first mini project!

You will create a **character card** using variables.

Step 1: Create Character Details

Fill in the details for your character.

```
character_name =
character_age =
character_power =
character_weapon =
```

Step 2: Print the Character Card

Use `print()` to display the card like this:

🧙 Character Card 🧙

Name: Alex

Age: 10

Power: Speed

Weapon: Magic Sword

```
print("🧙 Character Card 🧙")
print("Name:", )
print("Age:", )
print("Power:", )
print("Weapon:", )
```

Step 3: Change the Character (Upgrade!)

Change **one value** and print the card again.

Example:

```
character_power = "Flying"
```

★ Bonus Challenge (Optional)

Challenge 1: Emoji Power 💣

Add an emoji to your character power.

```
character_power = "Fire 🔥"
```

Challenge 2: Create a Villain 😈

Create a **second character card** for a villain.

❌ Common Mistakes to Avoid

- ✗ Forgetting quotes around words
 - ✗ Using spaces in variable names
 - ✗ Printing variable names instead of values
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Worksheet Complete!

 Fantastic work, Python Cub!

You now know how to:

- ✓ Create variables
 - ✓ Change values
 - ✓ Use variables with `print()`
 - ✓ Build a mini project
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