

2.E: VARIABLES, EXPRESSIONS, AND STATEMENTS (EXERCISES)



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Exercise 2: Write a program that uses `input` to prompt a user for their name and then welcomes them.

```
Enter your name: Chuck
Hello Chuck
```

```
%%python3
#Use this space to write and run your code
```

run restart

Exercise 3: Write a program to prompt the user for hours and rate per hour to compute gross pay.

```
Enter Hours: 35
Enter Rate: 2.75
Pay: 96.25
```

We won't worry about making sure our pay has exactly two digits after the decimal place for now. If you want, you can play with the built-in Python `round` function to properly round the resulting pay to two decimal places.

```
%%python3
#Use this space to write and run your code
#Save this code for a later exercise!
```

run restart

Exercise 4: Assume that we execute the following assignment statements:

```
width = 17
height = 12.0
```

For each of the following expressions, write the value of the expression and the type (of the value of the expression).

1. `width//2`
2. `width/2.0`
3. `height/3`
4. `1 + 2 * 5`

```
%%python3
#Use this space to check your answers
```

run restart

Exercise 5: Write a program which prompts the user for a Celsius temperature, convert the temperature to Fahrenheit, and print out the converted temperature.

```
%%python3
#Use this space to write and run your code
```

run

restart

1. In Python 2.0, this function was named `raw_input` .↵
2. See <http://en.wikipedia.org/wiki/Mnemonic> for an extended description of the word "mnemonic".↵