

**Requirements for each project**

- ✓ Project starts with the following lines of comments.
  - # Ally Baba
  - # September 1 2021
  - # Project #1
  - # COSC 1336(TTh)
  - # -----
  - # Project Description
  - # This program converts feet to inches. The user will
  - # enter the feet and the conversion rate. The
  - # program will display the feet and inches
  - # -----
  
- ✓ Need to have main() and def main() in the project
  - def main():
    - print('This program converts feet to inches.')
    - #statements
  
- ✓ Variable names used: (see the style – camelback)
  - feetValue
  - inchesValue
  - conversionRate
  
- ✓ if statement:
  - if (average >= 90):
  - # the condition is wrapped inside ()
  
- ✓ while statement:
  - while (count <= 10):
  - #condition is wrapped inside ()
  
  
- ✓ Trace the code below:

```
# Ally Baba
# September 1 2021
# Project #1
# COSC 1336(TTh)
# -----
# Project Description
# Program that will convert feet to inches.
# The user enters data: feet and conversion rate.
# The program display the feet and corresponding inches
# -----
def main():
    # Information Section
    print('This function will convert feet to inches')

    # Gets input from users
    feetValue = getData('Enter the feet value ')
    conversionRate = getData('Enter the conversion reate from feet to inches: ')

    # Calls the function to convert feet to inches
    inchesValue = findConversion(feetValue, conversionRate)

    # Display the results to the users
    displayResults(feetValue, inchesValue)

# Function displays the results to the users
def displayResults(feet, inches):
    print('\nResult')
    print(feet, 'feet is equal to', format(inches, '.2f'), 'inches')

# Function performs the calculation that converts feet to inches
def findConversion(feet, inches):
    conversion = feet * inches
    return conversion

# Function receives user input
def getData(prompt):
    value = float(input(prompt))
    return value

main()
```