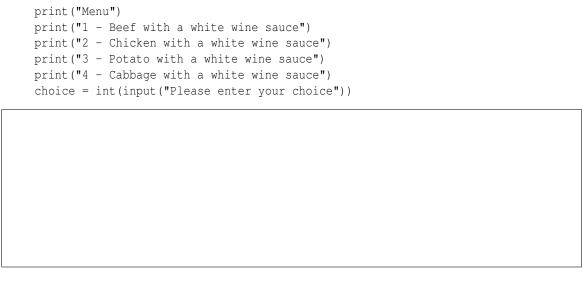**Computer Science**

COMPSCI 111/111G — Mastering Cyberspace

Python 02
Exercise Sheet

Exercise 1: Write a program that asks the user to enter a number of feet and a number of inches. The program should convert the length to a number of meters (with decimal points) the length using metres as the units.
- *1 inch = 2.54 centimetres*
- *1 foot = 12 inches*

Use the program below to answer the next two questions:

```
age = int(input("Please enter your age: "))
if (age < 18) :
    print("You can't vote")
    print("You can't drink'')
else :
    print("You can vote")
    print("You can drink")
print("Goodbye")
```

Exercise 2: What would the output be if the user entered an age of 18?

Exercise 3: What would the output be if the user entered an age of 17?

Exercise 4: The following program should display a menu and allow the user to select a dish. If the dish does not contain any meat, then the program should output "This is a vegetarian dish", otherwise the program should output "This is not a vegetarian dish". Complete the program:

```
print("Menu")
print("1 - Beef with a white wine sauce")
print("2 - Chicken with a white wine sauce")
print("3 - Potato with a white wine sauce")
print("4 - Cabbage with a white wine sauce")
choice = int(input("Please enter your choice"))
```

Exercise 5: Write a program that asks the user to enter a month (as a number). Your program should print out the number of days in the corresponding month (assume that February always has 28 days). An example of output is shown below:

```
Please enter the month (as a number):  7
That month has 31 days
```