**Worksheet 5**

1. Write a program to determine if someone is eligible for senior discount. Prompt user to input their age. If aged 65 or over, they should see a message telling them they are eligible; if under 65, they should see a message telling them they are ineligible.
2. Write a program that adds the odd integers between 1 and 49 inclusive using a for loop.
3. Write another version that used a while loop.
4. Write a program that takes input from the user as two integers, the second of which represents the power to which the first integer is to be raised e.g. if the second integer is 3, the first integer is to be cubed. Print the result to screen with an appropriate message.
5. Write a program that prompts the user to provide a start (lower) value and an end (upper) value. Add all the number and output result to screen.
6. Modify the program to add only the even values.
7. Write a program that prompts a sales person to input monthly sales figures for the year, stores the results in an array and outputs the formatted figures and useful text, as well as total and average monthly. Can you use an enum to help? What about a case statement?
8. Write a program that prompts a user to input their date of birth. Calculate their age and ouput a message in the form: “You are *n* years old.”
9. Add a check and if it is the user’s birthday, add the word “today” and “Happy Birthday”.