1) Write a program that prompts the user for a numerical grade (0-100 percent) and prints out the user's corresponding letter grade. The following is the typical grade correspondence for UBC courses.

Percentage (%)	Letter Grade
90-100	A+
85-89	A
80-84	A-
76-79	B+
72-75	B
68-71	B-
64-67	C+
60-63	C
55-59	C-
50-54	D
0-49	F (Fail)

Input percent
if (percent is bigger than or = to 90) {

} else if (percent is bigger than or = to 85) {

} else if (percent is bigger than or = to 80) {

} else if (percent is bigger than or = to 76) {

} else if (percent is bigger than or = to 72) {

} else if (percent is bigger than or = to 68) {

} else if (percent is bigger than or = to 64) {

} else if (percent is bigger than or = to 60) {

} else if (percent is bigger than or = to 55) {

} else if (percent is bigger than or = to 50){

} else {

}

2) Write a program that prompts the user for a numerical grade (0-100 percent) and prints out the user's corresponding letter grade. The following is the typical grade correspondence for UBC courses. If the user enters a number outside the range (0-100) you should print an error message instead of a Letter Grade.

Percentage (%)	Letter Grade
90-100	A+
85-89	A
80-84	A-
76-79	B+
72-75	B
68-71	B-
64-67	C+
60-63	C
55-59	C-
50-54	D
0-49	F (Fail)

Input percent
if (percent is bigger than 100 or smaller than 0) {

} else {
        if (percent is bigger than or = to 90) {

        } else if (percent is bigger than or = to 85) {

        } else if (percent is bigger than or = to 80) {

        } else if (percent is bigger than or = to 76) {

        } else if (percent is bigger than or = to 72) {

        } else if (percent is bigger than or = to 68) {

        } else if (percent is bigger than or = to 64) {

        } else if (percent is bigger than or = to 60) {

        } else if (percent is bigger than or = to 55) {

        } else if (percent is bigger than or = to 50){

        } else {

        }

}

3) Write a program that prompts the user for a numerical grade (0-100 percent) and prints out the user's corresponding letter grade.
If the student's grade is below a threshold of 56, you are to add an additional 2% to their grade to scale the marks.
The following is the typical grade correspondence for UBC courses. If the user enters a number outside the range (0-100) you should print an error message instead of a Letter Grade.

Percentage (%)	Letter Grade
90-100	A+
85-89	A
80-84	A-
76-79	B+
72-75	B
68-71	B-
64-67	C+
60-63	C
55-59	C-
50-54	D
0-49	F (Fail)

if (percent is bigger than 100 or smaller than 0) {

} else {

      if (percent is smaller than 56) {

      }

      if (percent is bigger than or = to 90) {

      } else if (percent is bigger than or = to 85) {

      } else if (percent is bigger than or = to 80) {

      } else if (percent is bigger than or = to 76) {

      } else if (percent is bigger than or = to 72) {

      } else if (percent is bigger than or = to 68) {

      } else if (percent is bigger than or = to 64) {

      } else if (percent is bigger than or = to 60) {

      } else if (percent is bigger than or = to 55) {

      } else if (percent is bigger than or = to 50){

      } else {

      }

}

4) Write a program that prompts the user for a numerical grade (0-100 percent) and a participation score and prints out the user's corresponding letter grade. The participation score they enter is out of 50 so it must be converted to be out of 5 (ie. 10/50 is 1/5). You are to add the calculated participation grade to the numerical grade entered but not allowing the total grade to be more than 100.
If the student's grade is below a threshold of 56, you are to add an additional 2% to their grade to scale the marks.
The following is the typical grade correspondence for UBC courses. If the user enters a number outside the range (0-100) you should print an error message instead of a Letter Grade.

(TABLE the same as previous pages)

```
Input percent and participation
if ( percent is bigger than 100 or smaller than 0) {

} else {

        convert participation to out of 5

        if (converted participation is smaller than 5) {

        } else {

        }

        if ( percent is smaller than 56) {

        }

        if ( percent is bigger than or = to 90) {

        } else if ( percent is bigger than or = to 85) {

        } else if ( percent is bigger than or = to 80) {

        } else if ( percent is bigger than or = to 76) {

        } else if ( percent is bigger than or = to 72) {

        } else if ( percent is bigger than or = to 68) {

        } else if ( percent is bigger than or = to 64) {

        } else if ( percent is bigger than or = to 60) {

        } else if ( percent is bigger than or = to 55) {

        } else if ( percent is bigger than or = to 50){

        } else {

        }

}
```