

DEPARTMENT OF COMPUTER ENGINEERING
CMPE101: Foundation of Computer Engineering
EXPERIMENT 6

Introduction to C Programming: More on selective structures

Task I: Write a C program to calculate the value of $f(x)$ for a given x entered using the keyboard. Define x as a float. Use **if-else** statement

$$f(x) = \begin{cases} x^2 & i \leq 0 \\ \sqrt{x} & 0 < x \leq 10 \\ x^{0.3} & x > 10 \end{cases}$$

Task II: Write a C program to check if the character that is read from the keyboard is vowel (i.e. a, e, o, u, e, i) or NOT a vowel. Use the **switch** statement.