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| **Initial and If Structure** |
| Write a program that can calculate the sum and average of three numbers. |
| There is given the radius of a circle. Find the area, circumference of it. (*Use π as a symbolic constant*). |
| There is given the area and height of a triangle. Find out the base of triangle. |
| There are three values of three lines; Find out the area of it. |
| Write a program to compute the roots of a quadratic equation use following conditions.   1. There is only one root, if a =0 (x = -c/b). 2. There are no real roots, if b2-4ac is negative.   Otherwise, there are no real roots. |
| Find out the maximum of two numbers using if structure. |
| Find out the maximum of three numbers using only if structure. |
| Write a program that convert temperature to from Fahrenheit to Celsius and vice versa. |
| Write a program that can say the Askey value of a key of keyboard. |
| Write a program that can say whether it is Character, digit or functional key. |
| Write a program that can test whether a number is Odd or Even. |
| Writ a program that can test whether it is divisible by 5 or not. |
| Write a program that can test a year whether it is leaper or not. |
| Write a program that can test a number whether it is negative or positive. |
| Write a program that can say the name of weekdays by receiving 1 to 7. Using (i) If-then-else statement and (ii) Switch Statement. |
| Write a program that can say the name of Month by receiving 1 to 12. Using (i) If-then-else statement and (ii) Switch Statement. |
| Write a program that can convert an upper case letter to lower case letter and vice versa. |
| Write a program that will obtain the length and width of a rectangle from the user and compute its area and perimeter. |
| Using the conditional operator find out the maximum of two numbers. |
| Using the conditional operator find out the maximum of three numbers. |
| Write a program that read the value of x and evaluate the following function using if statement and? Operator:    Do the above program using the function. |