C#.NET Basic Assignments

1. Write a program to print “WEL-COME TO Infoway!” using Console Application.
2. Write a program to accept 5 marks from the user and calculate their average using Console Application.
3. Write a program to accept 5 marks from the user and calculate their sum using Console Application.
4. Print addition of two hardcoded nos. Using Console Application.
5. Write a program to swap two variables using a third variable by Console Application.
6. Accept a character from a user and print its ASCII value using Console Application.
7. Write a program to calculate Net Salary of an employee using Basic Salary based on following parameters –
   1. HRA is 20% of basic salary.
   2. DA is 40% of basic salary.
   3. PF is 10% of Gross salary.
   4. Gross Salary is Basic Salary + HRA + DA.
   5. Net salary is Gross Salary – PF.
8. Write a program to find LEAP year by using –
   1. If – Else and logical operators.
   2. Conditional operator.
   3. Note – A Leap year is divisible by 4 and is not divisible by 100 but it could be divisible by 400.
9. Write a program to accept the basic salary and total sales amount from a salesperson and calculate commission according to the sales amount. Display the net salary and commission earned.

|  |  |
| --- | --- |
| Sales Amount in Rs. | Commission(%) on Sales |
| 5,000 to 7,500 | 3 |
| 7,501 to 10,500 | 8 |
| 10,501 to 15,000 | 11 |
| 15,000 to above | 15 |

1. Using a switch case write a menu driven program to perform basic calculations of two user entered numbers.
2. Write a program to find maximum of 3 numbers using –
   1. If – else.
   2. Conditional operators.
3. Write a program to accept an Employee no. And department no. As numeric data and designation code as character data. Display the entered data with proper messages as below and refer the below table for entered data –

|  |  |  |  |
| --- | --- | --- | --- |
| Department no. | Department Name | Designation Code | Designation |
| 10 | Purchase | ‘M’ | Manager |
| 20 | Sales | ‘S’ | Supervisor |
| 30 | Production | ‘A’ | Analyst |
| 40 | Marketing | ‘s’ | Sales Person |
| 50 | Accounts | ‘a’ | Accountant |

1. Enter date in dd/mm/yy format. Write a program to print total no. Of days in a month and month as character month.
2. Write a program to accept a number from user and find its absolute value. Absolute always returns a positive value.
3. Write a program to display ASCII characters in the range (0-255). Pause after displaying every 10 characters.
4. Write a program to display whether a user entered number is a prime or no. Modify the same program to display first 25 prime numbers using while loop. Also write a same program using for and do-while loops.
5. Write a program to generate a following output –
6. 1
7. 1 1 2
8. 2 1 1 3
9. Write a program to generate all positive combinations of 1,2,3 using for loop.
10. Write a function Prime() which checks the user entered number passed to it is a prime number or not. In this function call another function called Check() which returns the status of the number whether it is positive or negative and pass it to main function. If the number is negative, ask user to re-enter the number or else print the positive number.
11. Write a function to print Fibonacci series for the number of terms entered by the user.
12. Write a menu driven program, which allows user to select one of the following shapes –
    1. Square
    2. Circle
    3. Rectangle

And perform any of the operations on it.

* + 1. Calculate area.
    2. Calculate perimeter.
    3. Calculate area and perimeter both.

Print the result in main.

1. Write a function to accept day, month and year from the user in a function called getDate() and print that date in main.