Fork Infosystems, Karad.

Assignment On Selection Statements

1. Write a program to check if a given number is even or odd.

Input:	Enter number: 27
Output:	27 is odd number

2. Write a program to check if a given number is positive or negative.

Input:	Enter number: -27
Output:	27 is negative number

3. Write a program to find the maximum number between two given numbers.

Input:	Enter two number: 23 45
Output: The greater number is : 45	

4. Write a program to find the maximum number among three given numbers provided by the user and display the result.

Input:	Enter three number: 223 415 112
Output:	The greater number is : 415

5. Write a program to accept a number from the user and check whether it is divisible by 7, then display the result.

Input:	Enter number: 49
Output:	49 is divisible by 7

6. Write a program to accept a number from the user and check whether it is divisible by 5 and 7 or not.

Input:	Enter number: 49
Output:	49 is not divisible by 5 and 7
Input:	Enter number: 35
Output:	35 is divisible by 5 and 7

7. Write a program that accepts a number from the user and checks if it is even or odd **using the ternary operator.**

Input:	Number = 7
Output: The number is odd	

8. Write a program that accepts a day number (1 to 7) and prints the corresponding day of the week

Input:	Enter number: 4	Output: The day of the week is: Wednesday
Input:	Enter number: 2	Output: The day of the week is: Monday

9. Write a program that accepts a month number (1 to 12) and prints the corresponding month name.

Input:	Month Number: 5
Output:	The month is: May

10. Write a program to accept a number from the user and check if it is less than 10.
    If it is less than 10, print "Hello"; otherwise, print "World"

Input: Number: 7	Output: "Hello"
Input: Number: 12	Output: "world"

11. Write a program to check whether a given year is a leap year.

Input: Year: 2000
Output: The year 2000 is a leap year.

12. Write a program to accept a character from the user and check whether that character is a vowel (a, e, i, o, u). Display the result.

Input: Enter a character: e
Output: The character 'e' is a vowel.

13. Write a program to accept a character from the user and determine if it is a vowel (a, e, i, o, u), a consonant, or other. Display the result.

Input: a
Output: The character 'a' is a Vowel

Input: b
Output: The character 'b' is a Consonant

Input: #
Output: The character '#' is Other

14. Write a program to accept a character from the user and check if it is an upper case letter or a lower case letter.

Input: A
Output: The character 'A' is Upper Case.

Input: z
Output: The character 'z' is Lower Case.

Input: 4
Output: The character '4' is Not a letter.

15. Write a program to accept a character from the user and determine if it is an upper case letter, lower case letter, digit, or special symbol.

Input: B
Output: The character 'B' is Upper Case.

Input: m
Output: The character 'm' is Lower Case.

Input: 5
Output: The character '5' is a Digit.

Input: @
Output: The character '@' is a Special Symbol.

16. Write a program to accept a character from user and check whether it is alphabet or not (A-Z , a-z).

Input : F
Output : TRUE
Input : &
Output : FALSE

17. Write a program to accept a character from user and convert case (Toggle Case) of that character.

Input : a   Output : A
Input : D   Output : d
Input : 7 Output : 7
Input : $ Output : $

18. Write a program to accept a day number (1 to 7) and prints the corresponding day of the week **(by using switch)**

Input:	Enter number: 4	Output: The day of the week is: Wednesday
Input:	Enter number: 2	Output: The day of the week is: Monday

19. Write a program to create a console-based calculator that uses all arithmetic operators. **(by using switch).**

Enter an operator (+, -, *, /, %):   +
Enter First number: 7
Enter Second number: 5
Result: 12.00

Enter an operator (+, -, *, /, %):   *
Enter First number: 1.5
Enter Second number: 4.5
Result: 6.75

20. Write a program to accept division of student from user and depends on the division display exam timing.
There are 4 divisions in school as A, B, C, D.
Exam of division A at 10 AM,
Exam of division B at 10.30 AM,
Exam of division C at 1 PM and
Exam of division D at 1.30 PM.
(Application should be case insensitive) **(by using switch).**

Input : C
Output : Your exam at 1 PM
Input : b
Output : Your exam at 10.30 AM