**TASK 1  
  
Ex 1.** Write Ruby program to get ruby version with patch number.  
*Sample Output*:

Ruby Version: 2.4.2

Ruby Patch Level: 198

**Ex 2.** Write a Ruby program to display the current date and time.

Sample Output:

Current Date and Time: 27/12/2017 06:04

**Ex 3.** Write a Ruby program to display the current date and time.

Sample Output:

a

aa

aaa

aaaa

aaaaa

**Ex 4.** Write a Ruby program which accept the radius of a circle from the user and compute the parameter and area.

Sample Output:

Input the radius of the circle: The perimeter is 31.41592653.

The area is 78.539816325.

**Ex 5.** Write a Ruby program which accept the user's first and last name and print them in reverse order with a space between them.

Sample Output:

Input your first name:

Input your last name:

Hello Lanoie Gary

**Ex 6.** Write a Ruby program to accept a filename from the user print the extension of that.  
  
Sample Output:

File name: test.rb

Base name: test

Extention: .rb

Path name: /user/system

**Ex 7.** Write a Ruby program to print the following 'here document'. Write a Ruby program to accept a filename from the user print the extension of that.

Sample string:  
a string that you "don't" have to escape  
This  
is a ....... multi-line  
heredoc string --------> example

*Sample Output*:

Sample string:

a string that you "don't" have to escape

This

is a ....... multi-line

heredoc string --------> example

**Ex 8.** Write a Ruby program to create a new string from a given string using the first three characters or whatever is there if the string is less than length 3. Return n copies of the string.

Sample Output:

abc

abcabc

abc

abcabc

abc

abab

**Ex 9.** Write a Ruby program to test whether you are minor (Consider a child unless he or she is less than 18 years old.) or not.

Sample Output:

Input your age: You are a minor

**Ex 10.** Write a Ruby program to compute the absolute difference between n and 33 and return double the absolute difference if n is over 33.

Sample Output:

28

16

**Ex 11.** Write a Ruby program to check two integers and return true if one of them is 20 otherwise return their sum.  
Sample Output:

true

false

true

**Ex 12.** Write a Ruby program to find the greatest of three numbers.

Sample Output:

y = 5 is greatest.

**Ex 13.** Write a Ruby program to check whether a number is within 10 of 100 or 200.

Sample Output:

false

true

true

**Ex 14.** Write a Ruby program to print even numbers from 1 to 10.

Sample Output:

Even numbers between 2 to 10:

2

4

6

8

10

**Ex 15.** Write a Ruby program to check two non-negative integer values and return true if they have the same last digit.

Sample Output:

true

true

true

false

**Ex 16.** Write a Ruby program to check three given integers and return their sum. However, If one of the values is the same as another of the values, it does not count towards the sum.

Sample Output:

0

7

7

7

6

**Ex 17.** Write a Ruby program to check three given integers and return their sum. However, If one of the values is the same as another of the values, it does not count towards the sum.

Sample Output:

0

7

7

7

**Ex 18.** Write a Ruby program to test whether a year is leap year or not.

Sample Output:

2012 is leap year

1500 is not leap year

1600 is leap year

2020 is leap year

**Ex 19.** Write a Ruby program to check two given integers and return the larger value. However, if the two values have the same remainder when divided by 5 then return the smaller value and if the two values are the same, return 0.

Sample Output:

12

110

0

**Ex 20.** Write a Ruby program to check whether the sequence of numbers 10, 20, 30 appears anywhere in a given array of integers.

Sample Output:

true

true

false