ALGORITHM

24k-0912

TASK 01:

1. Start

2. input number n

3. check if n is less than 2 then it is not prime

4. check if n is 2 or 3 then it is prime

5. start loop

6. counter=3 and iterate to the n

7. if n is divisible by counter more than 1 time

8. Then It is not prime

9. Else Prime

TASK 02:

1. Ask the user to enter day number(1-365)

2. Make sure that the day is in range of 1-365 days

3. If not, prompt the user to enter a valid number

4. To check the day of a week, subtract 1 form the day number,

5. Compute the reminder when dividing this result by 7(N-1)%7)

6. This remainder give you an index corresponding to a day of a week.

7. Start the number of days from 0 and take Monday as a zero

8. 0 = Monday

9. 1 = Tuesday

10. 2= Wednesday

11. 3= Thursday

12. 4= Friday

13. 5= Saturday

14. 6= Sunday

15. END

TASK 03:

1. Ask the user to take the two positive number x and y

2. Suppose x=X and y=Y

3. Repeat the Steps until “Y” becomes Zero

4. Calculate the remainder r when x is divided by (r= x % y)

5. Set x=y

6. Set y= r

7. Once b becomes 0, the value of a is the GCD of original number X AND Y

8. Display x as a the GCD

9. END

PSEUDOCODE

TASK 01

1. START

2. Input no 1 = X

3. Input no 2 = Y

4. Input no 3 = Z

5. IF x<y<z

6. Print x is the smallest

7. IF y<z<x

8. Print y is the smallest

9. IF z<x<y

10. Print x is the smallest

TASK 02:

1. Input no 1

2. Input no 2

3. Use the operator +

4. Take the second number Negative,

5. Add these two numbers

6. This give the same result as the subtraction of no 1 from no 2

7. Show the Result

8. Output = Result of subtracting “no1 from no 2”

TASK 03:

1. Input no 1

2. Input no 2

3. Ask the user for the desired operation (either \* for multiplication or / for division)

4. PRINT "Enter the operation (\* for multiplication or / for division)

5. Check the which operation the user has selected

6. IF operator takes \*

7. Print “multiply the no1 \* no2”

8. ELSE if operator takes /

9. Print “divide the no1 / no 2”

10. END