1) Algorithm: prime Number

1) Input the number from the user
2) Loops from 2 till 1 -half that number
3) Divide that number from current iteration
4) IF remainder = 0
5) Print "Not a prime number"
6) Else print "Prime number"

2) Algorithm fr to find out day of the month :-

1) Input value from the user
2) Divide that value fr by 7
3) Use mod to find the remainder
4) IF remainder is 1 then print monday, if 2 then tuesday
   if 3 then wednesday and so onn.

1) Smalles Number :-

```
INPUT A,B,C
Smallest ← 0
IF A > B AND A ≤ A ≤ C THEN
A ← Smallest
IF B < A AND B < C THEN
B ← Smallest
ELSE
C ← Smallest
PRINT Smallest
```

2) Basic Calculator

```
INPUT A,B,Op
Answer ← 0
IF Op = *
PRINT " Enter two numbers and an operator "
IF Op = * THEN
Answer = A * B
IF OP = / THEN
Aswer = A / B
PRINT Answer
```