# Pseudocode for day

Start

//input/output

INPUT number n

INPUT day number x

//Process

Set the date to January 1st = Monday

x/7=remainder

PRINT “Monday” if remainder==1 or8 or 15 or 22 or 29 else proceed

PRINT “Tuesday” if remainder==2 or 9 or 16 or 23 or 30 else proceed

PRINT “Wednesday” if remainder==3 or 10 or 17 or 24 or 31 else proceed

PRINT “Thursday” if remainder==4 or 11 or 18 or 25 else proceed

PRINT “Friday” if remainder==5 or 12 or 19 or 26 else proceed

PRINT “Saturday” if remainder==6 or 13 or 20 or 27 else proceed

PRINT “Sunday” if remainder==7 or 14 or 21 or 28 else proceed

End

# Pseudocode for prime number

Start

//INPUT

INPUT number n

//process

X=1

Loop through

If n%x+1==0

Print “composite number”

Else continue till x<=n^1/2

End

## Pseudocode for smallest number

//INPUT

INPUT num1

INPUT num2

INPUT num3

//PROCESS

Num1-num2 =result

If result<0

Then num1-num3=result

If result<0

Print “num1”

Else “num3”

Num2-num3=result

If result<0

Print “num2”

Else “num3”

End

# Pseudocode for subtraction

Start

//input

INPUT num1

INPUT num2

//process

Convert num1 to binary

Convert num2 to binary

Perform binary subtraction

Convert answer to binary

Print “result”

End

# Pseudocode for multiplication and division

Start

//input

INPUT num1

INPUT num2

//process

Num1*num2=result

Print “result”

Num1/num2=result

Print “result”

End