P1.

Requirement: Compute the maximum number out of 3 input numbers and display it.

Solution:

start {

integer a;

integer b;

integer c;

integer max;

read a;

read b;

read c;

if(a>b&&a>c){

max=a;

}

else{

if(b>c&&b>a){

max=b;

}

else{

max=c;

}

}

write max;

}

P2.

Requirement: Check if an input is a prime number.

Solution:

start{

integer a;

integer i;

integer is\_prime;

is\_prime=0;

read a;

for(i=2;i<a;i=i+1){

if(a%i==0){

is\_prime=1;

break;

}

}

if(is\_prime==1){

write "a is prime"

}else{

write "a is not prime";

}

}

P3.

Requirement: Compute the sum of n input numbers which are bigger than m (another input number) and display it.

Solution:

start{

integer n;

integer m;

integer sum;

integer current\_number;

sum=0;

read n;

read m;

for(i=0;i<n;i=i+1){

read current\_number;

if(current\_number>m){

sum=sum+current\_number;

}

}

write sum;

}

P1err.

Requirement: Compute the sum of 2 input numbers and display it.

Solution:

start{

integer 2a; <- lexical error

integer b;

integer sum;

sum=0;

read a;

read b;

sum+=b; <- lexical error

sum=sum+a;

write sum;

}