Lab 1 LFTC

Popa Alex Ovidiu

936/1

P1. Max of 3 numbers

```
Func Main(){
	number a;
	number b;
	number c;
	Std::cin>>a;
	Std::cin>>b;
	Std::cin>>c;
	number max ;
	If(a>b and a>c){
		Max = a;
	}
	If(b>a and b>c){
		Max=b;
	}
	If(c>a and c>b){
		Max=c;
	}
	Std::cout<<max;
}
```

P1err. Max of 3 numbers- lexical error at number 5$a, lexical error at message (unclosed apostrophe)

```
Func Main(){
	number 5$a;
	number b;
```

```
        number c;
        Std::cin>> 5$a;
        Std::cin>>b;
        Std::cin>>c;
        number max ;
        If(5$a >b and 5$a >c){
                Max = 5$a;
        }
        If(b> 5$a and b>c){
                Max=b;
        }
        If(c> 5$a and c>b){
                Max=c;
        }
        string message;
        message=’number is;
        Std::cout<<message;
        Std::cout<<max;
}
```

P2. Sum of positive numbers in an array

```
Func Main(){
        array arr;
        number size;
        Std::cin>>size;
        number sum;
        sum=0;
        For (I=0,I<size;I=I+1){
```

```
            Std::cin>>arr[I];
            If (arr[I]>0){
                sum = sum + arr[I];
            }
        }
        Std::cout<<sum;
}
```

P3. Check if a number is prime or not

```
Func Main(){
        Number n;
        Std::cin>>n;
        Number ok;
        ok=1;
        If (n<2 or n>2 and n%2==0){
            ok=0;
        }
        For(d=3;d*d<=n;d=d+2){
            If (n%d==0){
                ok=0;
            }
        }
        If(ok==1){
            Std::cout<<'prime';
        }
        Else {
            Std::cout<<'not prime';
}
```