

p1: Check if a given number is a palindrome

```
intreg x;
citeste x;
intreg y = 0;
intreg copy = x;
repetă(copy > 0)
{
    y = y * 10 + copy % 10;
    copy = copy / 10;
}
dacă(copy == x)
{
    tipărește "true";
}
altfel
{
    tipărește "false";
}
```

p2: Verify if a number is prime

```
intreg x;
citeste x;
intreg d;
intreg ok = 1;
dacă(x < 2)
{
    ok = 0;
}
dacă(x % 2 == 0 && x != 2)
{
    ok = 0;
}
repetă(d = 3; d * d <= x; d += 2)
{
    dacă(x % d == 0)
    {
        ok = 0;
    }
}
dacă(ok == 0)
{
    tipărește "true";
}
altfel
{
    tipărește "false";
}
```

p3: Compute the sum of n numbers

```

intreg n;
citeste n;
intreg arr[100];
intreg i;
pentru(i=0;i<n;i=i+1)
{
    citeste arr[i];
}
intreg s=0;
pentru(i=0;i<n;i=i+1){
    s = s + arr[i];
}
tipareste s;

```

p1err: p1 with 2 types of lexical errors

```

`intreg x;//lexical error => inexistent keyword, reserved keyword doesn't start with `
citeste 1x;//lexical error => invalid declaration, variable cannot start with number
intreg y = 0;
intreg copy = x;
repeta(copy>0)
{
    y = y * 10 + copy % 10;
    copy = copy / 10;
}
daca(copy == x)
{
    tipareste true;
    returneaza;
}
tipareste false;
returneaza;

```