```
//program 1

start(): Integer{
    Integer number_1 = 10;
    Integer number_2 = 20;
    Integer number_3 = 30;

    if ( number_1 > number_2 && number_1 > number_3 ){
        print(number_1);
    }
    else if ( number_2 > number_1 && number_2 > number_3 ){
        print(number_2);
    }
    else if ( number_3 > number_1 && number_3 > number_2 ){
        print(number_3);
    }
    else{
        print("Values are not unique");
    }
    return 0;
}

//program 2

start(): Integer {
    Integer i, n;
    Boolean is_prime = true;

    read(n);

    // 0 and 1 are not prime numbers
    if (n == 0 || n == 1) {
        is_prime = false;
    }
    else {
        for (i=2; i <= n/2; i++) {
            if (n % i == 0) {
                is_prime = false;
                break;
            }
        }
    }
    if (is_prime){
        print("prime number");
    }
    else{
        print("not a prime number");
    }

    return 0;
}

//program 3

start(): Integer{
    Integer[] my_array = [1, 2, 3, 4, 5];
    Integer array_length = 5, i = 0;
    Integer sum = 0;
```

```
    for(i = 0; i < array_length; i++){
        sum = sum + my_array[i];
    }

    print(sum);

}

//program 4

start(): Integer{
    Integer[] my@array = [1, 2, 3, 4, 5]; //prima eroare
    Integer array_length = 5, i = 0; //a doua eroare
    Integer sum = 0;


    for(i = 0; i < array_length; i++){
        sum = sum + my_array[ĂĂĂĂĂĂĂ];
    }

    print(sum);
}
```