```
#include <stdio.h>

void count_solution(int a, int b, int c) {
    int check;

    check = b*b - 4*a*c;

    if (check == 0) printf("Two same real values");
    else if (check > 0) printf("Two different real values");
    else printf("Two different real values");
}

int main(void) {
    int a, b, c;

    scanf("%d %d %d", &a, &b, &c);
    count_solution(a, b, c);

    return 0;
}

- Tasks ./task7-1
1 4 4
Two same real values
- Tasks ./task7-1
1 4 10
Two different real values
- Tasks ./task7-1
1 10 4
Two different real values
- Tasks ./task7-1
1 10 4
Two different real values
- Tasks ./task7-1
1 10 4
Two different real values
- Tasks ./task7-1
1 10 4
Two different real values
- Tasks ./task7-1
1 10 4
Two different real values
- Tasks ...
- Tasks ..
```

```
#include <stdio.h>
void check_prime(int num) {
    int is_prime = 1;
    if (num == 1) {
        is_prime = 0;
    else {
        for (int i=2; i<num; i++) {</pre>
             if (num % i == 0) {
                 is_prime = 0;
                 break;
    switch (is_prime) {
        case 0:
             printf("%d is not a prime number", num);
             break;
             printf("%d is a prime number", num);
             break;
int main(void) {
    int num;
    scanf("%d", &num);
    check_prime(num);
    return 0;
    Tasks ./task7-2
   is not a prime number a Tasks ./task7-2
    is a prime number

Tasks ./task7-2
   is a prime number<mark>‱
Tasks .</mark>/task7-2
    is not a prime number

Tasks ■
```

```
#include <stdio.h>
int count_prime(int num) {
   int result = 0;
   int is_prime;
   if (num == 1) result ++;
   for (int i=2; i<=num; i++) {
       is_prime = 1;
       for (int j=2; j<i; j++) {
          if (i \% j == 0) {
              is_prime = 0;
              break;
       if (is_prime == 1) result++;
   return result;
int main(void) {
   int num;
   scanf("%d", &num);
   printf("%d", count_prime(num));
   return 0;
  → Tasks ./task7-3
    Tasks ./task7-3
    Tasks ./task7-3
    Tasks ./task7-3
    Tasks
```

```
#include <stdio.h>
int fibo(int num) {
   int a = 0, b = 1, c = 1;
   if (num == 1) return a;
   if (num == 2) return b;
   for (int i=3; i<num; i++) {
      a = b;
      c = a + b;
int main(void) {
   int num;
   scanf("%d", &num);
   printf("%d", fibo(num));
   return 0;
● → Tasks ./task7-4
   Tasks ./task7-4
   Tasks ./task7-4
```

```
#include <stdio.h>
int factorial(int num) {
    int result = 1;

    for (int i=1; i<=num; i++) {
        result *= i;
    }

    return result;
}

int main(void) {
    int num;

    scanf("%d", &num);
    printf("%d", factorial(num));

    return 0;
}

- Tasks ./task7-5
- Task8 ./task7-5
- Tas
```