

## Lab work – functions

1) 6 functions are called in the following main program. Write **title lines** for these functions. **Do not supply the blocks for the functions.** (questions are modified from [professor Kangmei Yang's website.](#))

```
int main(){
    int a = 100;
    string b = read();
    double c = magic(a + 2.5, a, 100, 100, a + a);
    if ( isOk(c) )
        print(b);

    if ( check(c) == a ) cout << "close";

    cout << firstDigit(a) << endl; //this would print out the
                                   //first digit of variable a

    return 0;
}
```

Answers:

```
string read()
```

```
double magic(double a, int b, int c, int d, int e)
```

```
bool isOk(double x)
```

```
void print(string x)
```

```
int check(double x)
```

```
int firstDigit(int x)
```

2) Run the following command to get the answers for RybaFun.cpp.

```
cp ~ctse/cs111/RybaFunSol.cpp .
```