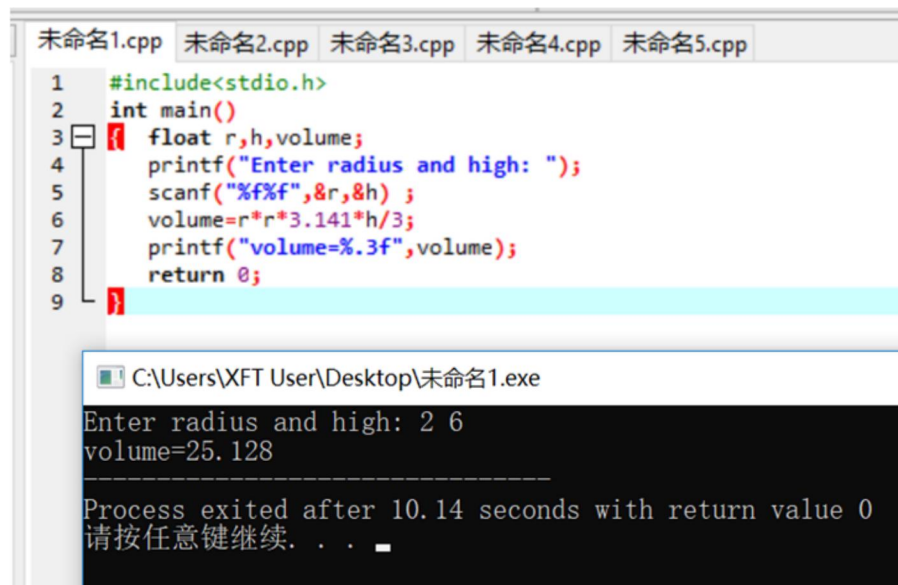


1.圆锥体积

第一题

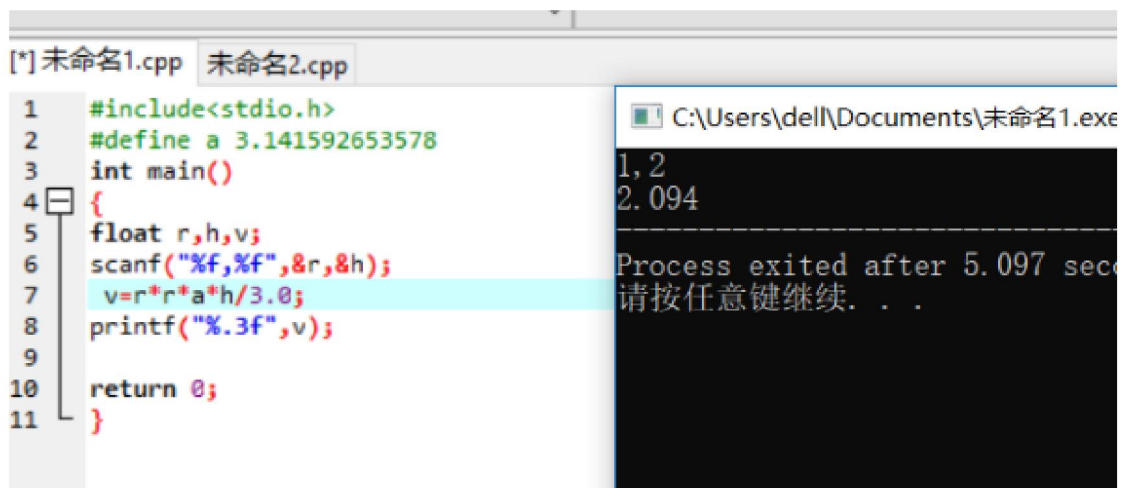


```
1 #include<stdio.h>
2 int main()
3 { float r,h,volume;
4   printf("Enter radius and high: ");
5   scanf("%f%f",&r,&h) ;
6   volume=r*r*3.141*h/3;
7   printf("volume=%.3f",volume);
8   return 0;
9 }
```

C:\Users\XFT User\Desktop\未命名1.exe

Enter radius and high: 2 6
volume=25.128

Process exited after 10.14 seconds with return value 0
请按任意键继续. . .



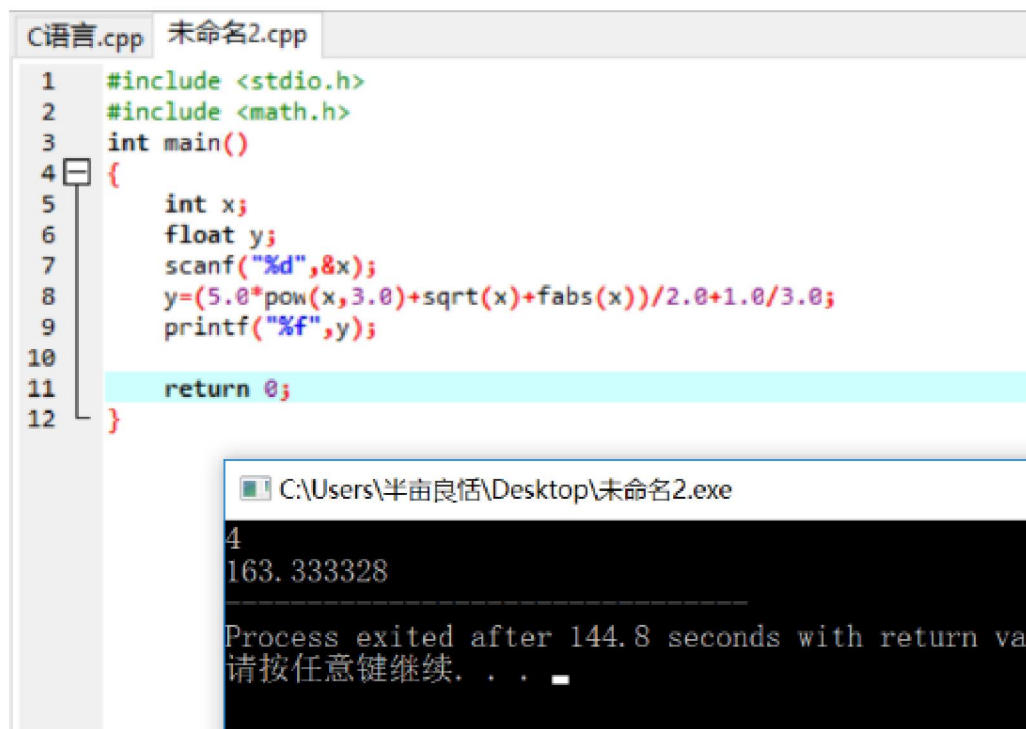
```
1 #include<stdio.h>
2 #define a 3.141592653578
3 int main()
4 {
5   float r,h,v;
6   scanf("%f,%f",&r,&h);
7   v=r*r*a*h/3.0;
8   printf("%.3f",v);
9
10  return 0;
11 }
```

C:\Users\dell\Documents\未命名1.exe

1, 2
2.094

Process exited after 5.097 seconds with return value 0
请按任意键继续. . .

2.库函数使用



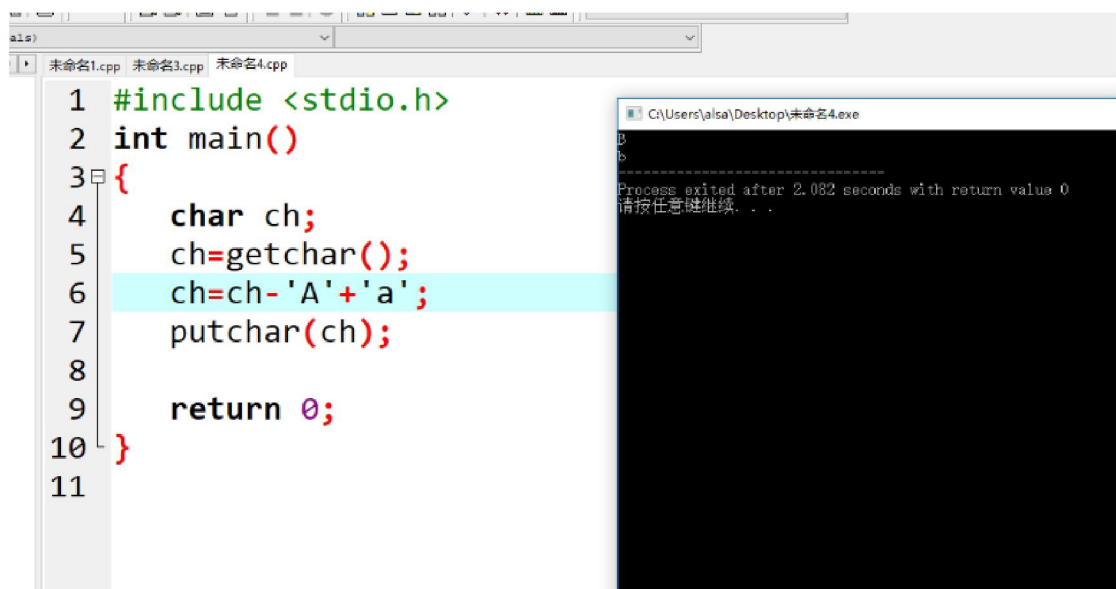
The screenshot shows a C++ IDE with a file named '未命名2.cpp'. The code is as follows:

```
1 #include <stdio.h>
2 #include <math.h>
3 int main()
4 {
5     int x;
6     float y;
7     scanf("%d",&x);
8     y=(5.0*pow(x,3.0)+sqrt(x)+fabs(x))/2.0+1.0/3.0;
9     printf("%f",y);
10
11     return 0;
12 }
```

The console window shows the output of the program:

```
C:\Users\半亩良恬\Desktop\未命名2.exe
4
163.333328
-----
Process exited after 144.8 seconds with return va
请按任意键继续. . .
```

3. 大写变小写



The screenshot shows a C++ IDE with a file named '未命名4.cpp'. The code is as follows:

```
1 #include <stdio.h>
2 int main()
3 {
4     char ch;
5     ch=getchar();
6     ch=ch-'A'+'a';
7     putchar(ch);
8
9     return 0;
10 }
11
```

The console window shows the output of the program:

```
C:\Users\alsa\Desktop\未命名4.exe
B
b
-----
Process exited after 2.082 seconds with return value 0
请按任意键继续. . .
```

4. 分解四位数

```
第一题.cpp 第二题.cpp 第三题.cpp 第四题.cpp 第五题.cpp
1  #include<stdio.h>
2  int main()
3  {
4      int number;
5      int a,b,c,e;
6      printf("请输入一个四位正整数: ");
7      scanf("%d",&number);
8
9      a=number%10;
10     b=number/10%10;
11     c=number/100%10;
12     e=number/1000;
13     printf("%d\n%d\n%d\n%d",a,b,c,e);
14
15     return 0;
16 }
```

C:\Users\wangh\Desktop\第四题.exe

请输入一个四位正整数: 2345

5
4
3
2

编译日志

编译结果 Process exited after 3.19 seconds with return value 0
请按任意键继续. . .

- 错误:

5.交换两个数:

```
未命名1.cpp
1  #include <stdio.h>
2  int main()
3  {
4      float a,b,c;
5      scanf("%f%f", &a,&b);
6      c=b;b=a;a=c;
7      printf("%f%f",a,b);
8      return 0;
9  }
```

C:\Users\Lenovo\Desktop\未命名1.exe

4 3
3.0000004.000000

Process exited after 1.911 seconds with return value 0
请按任意键继续. . .