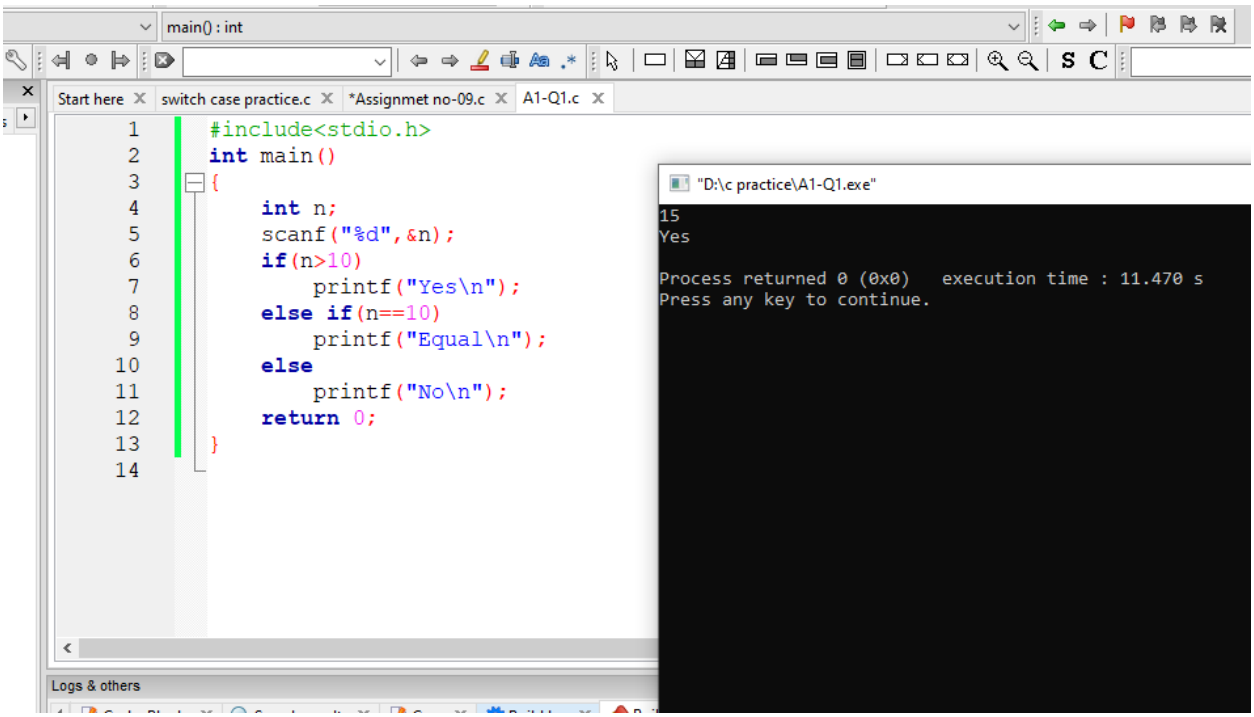
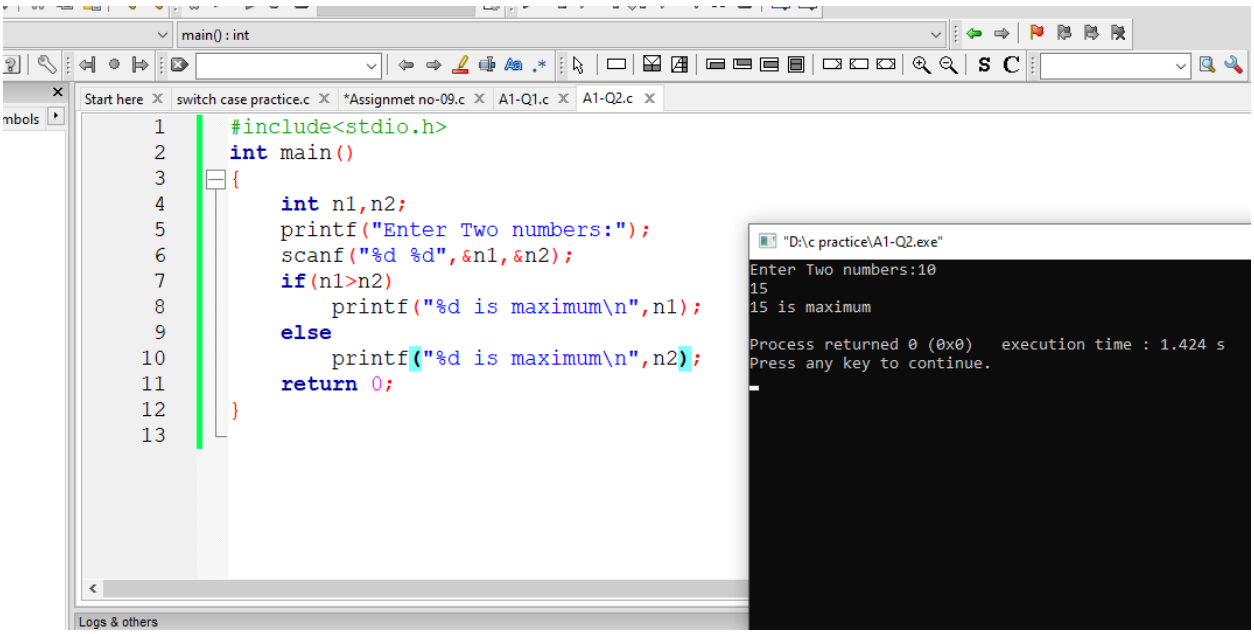
1. **Take an integer number from the user and check if the number is bigger than 10 or not.**

```
#include<stdio.h>
int main()
{
   int n;
   scanf("%d",&n);
   if(n>10)
      printf("Yes\n");
   else if(n==10)
      printf("Equal\n");
   else
      printf("No\n");
   return 0;
}
```



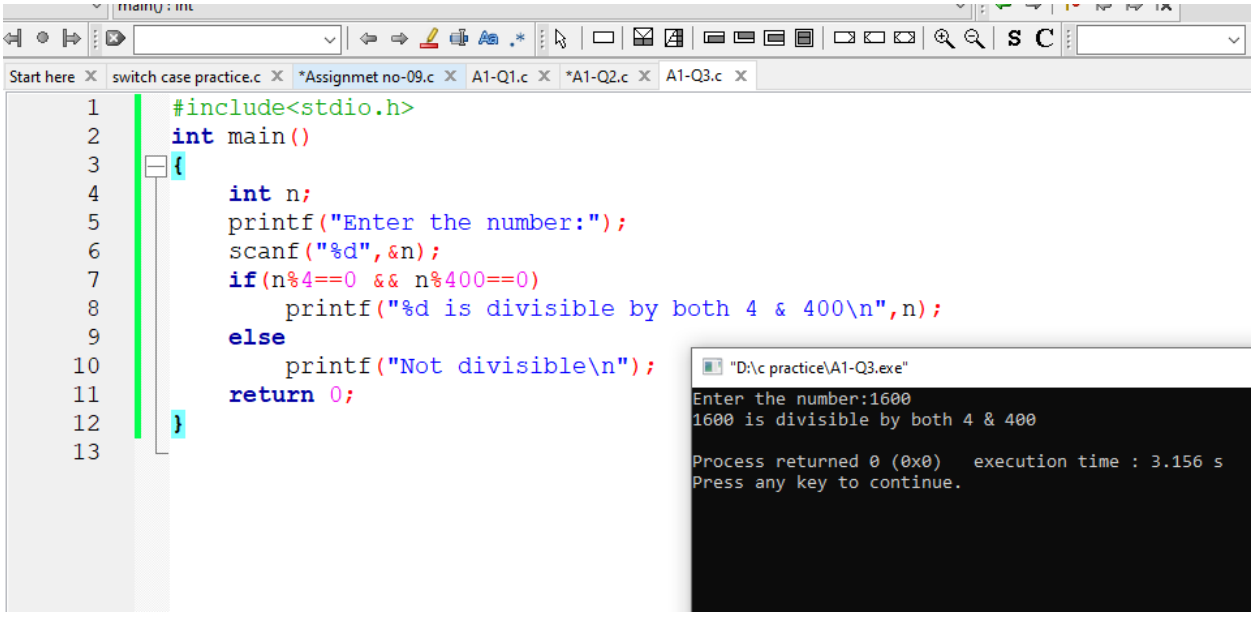
2. **Take two numbers from the users and find the maximum and minimum number of those two numbers.**

```
#include<stdio.h>
int main()
{
   int n1,n2;
   printf("Enter Two numbers:");
   scanf("%d %d",&n1,&n2);
   if(n1>n2)
      printf("%d is maximum\n",n1);
   else
      printf("%d is maximum\n",n2);
   return 0;
}
```



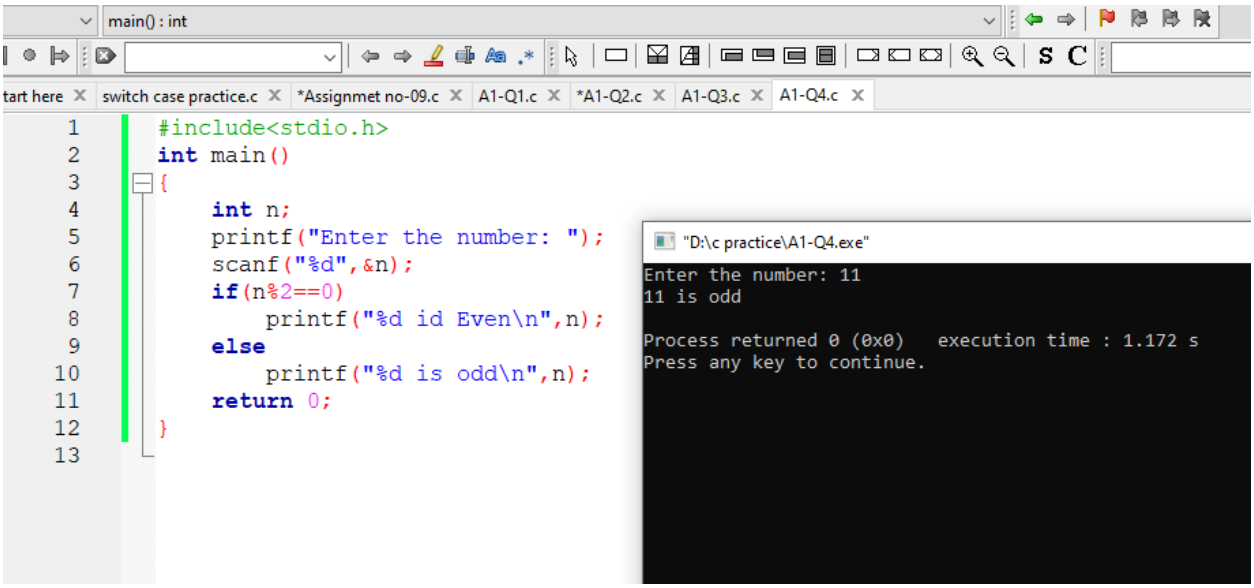
3. **Write a C program to check whether a given number is divisible by 4 and 400.**

```
#include<stdio.h>
int main()
{
   int n;
   printf("Enter the number:");
   scanf("%d",&n);
   if(n%4==0 && n%400==0)
      printf("%d is divisible by both 4 & 400\n",n);
   else
      printf("Not divisible\n");
   return 0;
}
```



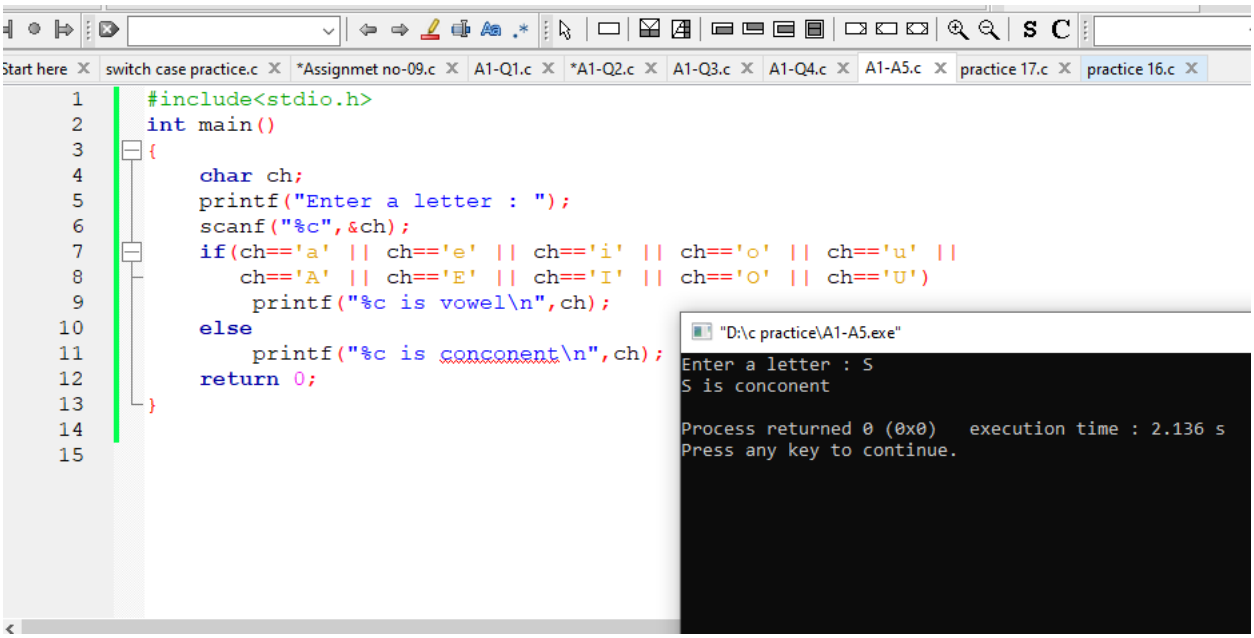
4. **Write a C program to check whether the number is even or odd**

```
#include<stdio.h>
int main()
{
   int n;
   printf("Enter the number: ");
   scanf("%d",&n);
   if(n%2==0)
      printf("%d id Even\n",n);
   else
      printf("%d is odd\n",n);
   return 0;
}
```



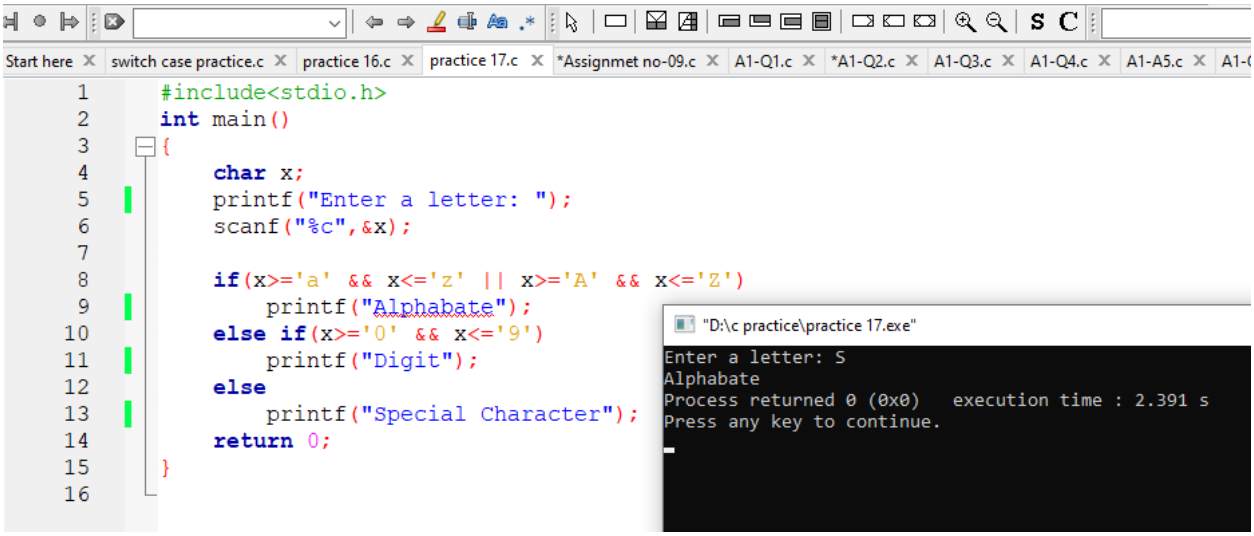
5. **Take a letter as input from the user and determine whether that letter is a vowel or consonant**

```
#include<stdio.h>
int main()
{
   char ch;
   printf("Enter a letter : ");
   scanf("%c",&ch);
   if(ch=='a' || ch=='e' || ch=='i' || ch=='o' || ch=='u' ||
     ch=='A' || ch=='E' || ch=='I' || ch=='O' || ch=='U')
      printf("%c is vowel\n",ch);
   else
      printf("%c is conconent\n",ch);
   return 0;
}
```



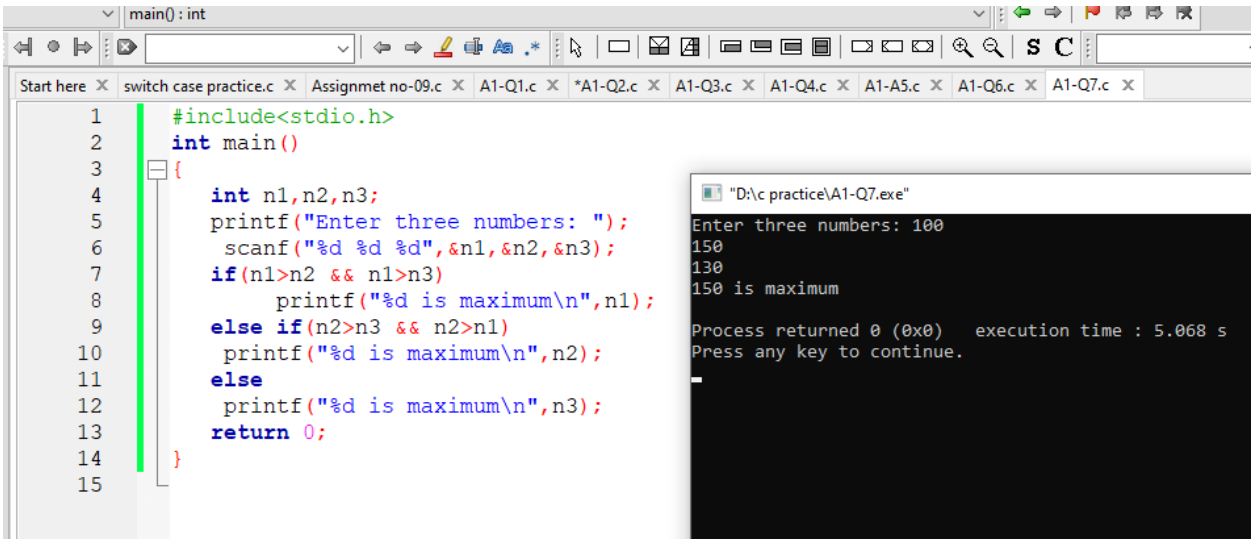
6. **Write a C program to check whether a character is an alphabet, digit, or special character**

```
#include<stdio.h>
int main()
{
   char x;
   printf("Enter a letter: ");
   scanf("%c",&x);
   if(x>='a' && x<='z' || x>='A' && x<='Z')
      printf("Alphabate");
   else if(x>='0' && x<='9')
      printf("Digit");
   else
      printf("Special Character");
   return 0;
}
```



7. Take Three numbers from the user and find the maximum number among those three numbers using nested if else.

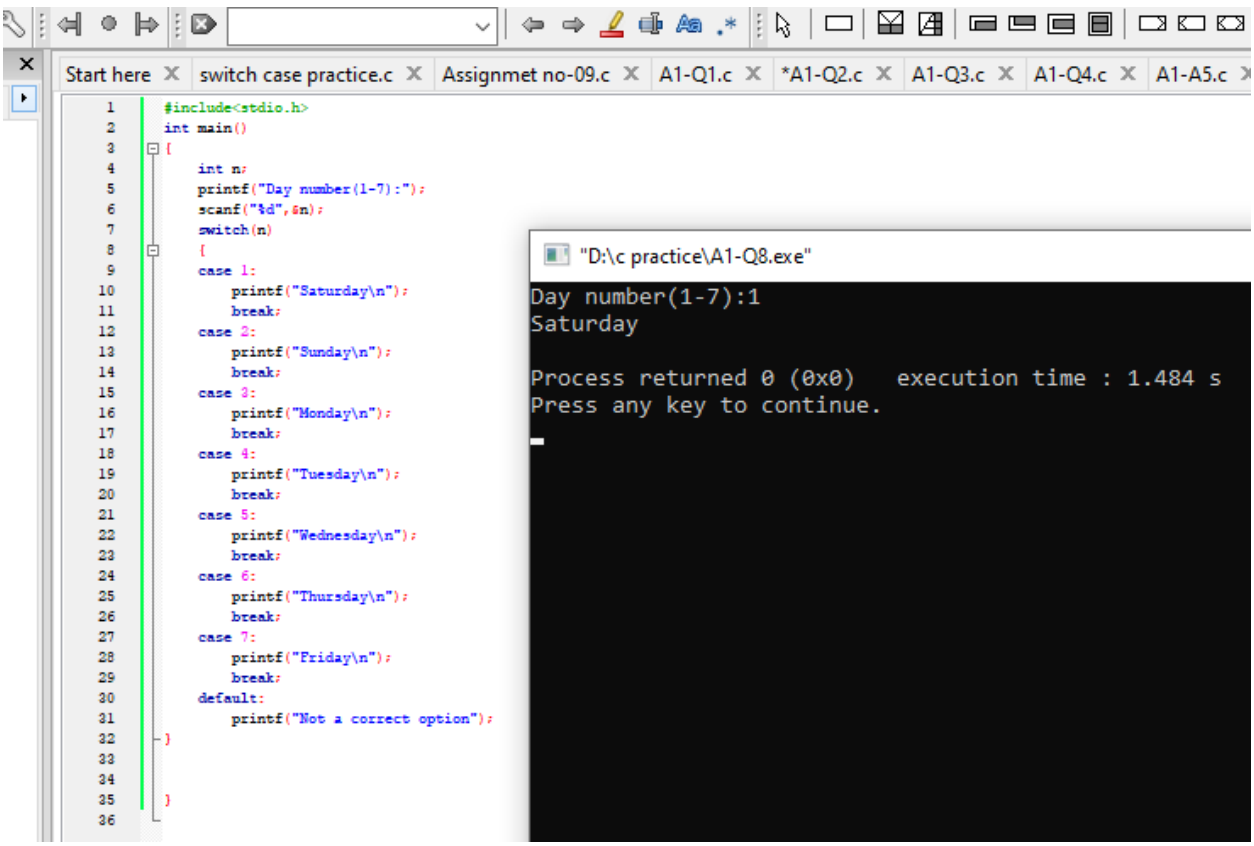
```
#include<stdio.h>
int main()
{
  int n1,n2,n3;
  printf("Enter three numbers: ");
   scanf("%d %d %d",&n1,&n2,&n3);
  if(n1>n2 && n1>n3)
  printf("%d is maximum\n",n1);
 else if(n2>n3 && n2>n1)
  printf("%d is maximum\n",n2);
  else
   printf("%d is maximum\n",n3);
  return 0;
}
```



8,Write a C program to print the day of the week's name using the switch case.

```
#include<stdio.h>
int main()
{
   int n;
   printf("Day number(1-7):");
   scanf("%d",&n);
   switch(n)
   {
   case 1:
      printf("Saturday\n");
      break;
   case 2:
      printf("Sunday\n");
      break;
   case 3:
      printf("Monday\n");
      break;
   case 4:
      printf("Tuesday\n");
      break;
   case 5:
      printf("Wednesday\n");
      break;
   case 6:
      printf("Thursday\n");
      break;
   case 7:
      printf("Friday\n");
      break;
   default:
      printf("Not a correct option");
}
```

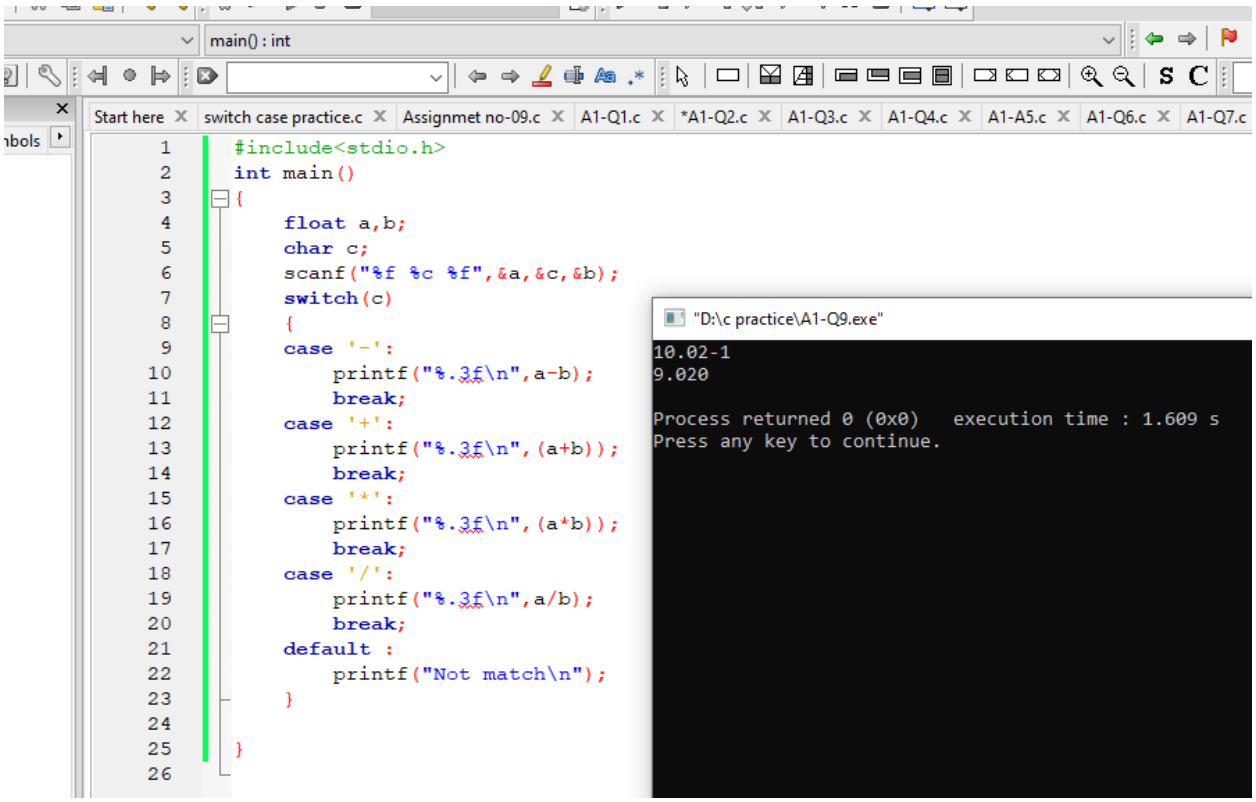
}



9,Write a C program to create a calculator using switch case and functions

```
#include<stdio.h>
int main()
{
   float a,b;
   char c;
   scanf("%f %c %f",&a,&c,&b);
   switch(c)
   {
   case '-':
      printf("%.3f\n",a-b);
      break;
```

```
    case '+':
        printf("%.3f\n",(a+b));
        break;
    case '*':
        printf("%.3f\n",(a*b));
        break;
    case '/':
        printf("%.3f\n",a/b);
        break;
    default :
        printf("Not match\n");
    }
}
```



Name:Ashraful Islam Redoy
ID:0242320005101178