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Example 1:

Output:

```
 Age:    30
muhammad@muhammad-Latitude-5490:~/Desktop$ gcc 4.c -o 4
muhammad@muhammad-Latitude-5490:~/Desktop$ ./4
This is a line of text.
This is a new line of text.
muhammad@muhammad-Latitude-5490:~/Desktop$
```

Example 2:

Output:

```
This is a new line of text.
muhammad@muhammad-Latitude-5490:~/Desktop$ gcc 4.c -o 4
muhammad@muhammad-Latitude-5490:~/Desktop$ ./4
Name:    John Doe
Age:     30
muhammad@muhammad-Latitude-5490:~/Desktop$
```

Example 3:

Output :

```
muhammad@muhammad-Latitude-5490:~/Desktop$ gcc 4.c -o 4
muhammad@muhammad-Latitude-5490:~/Desktop$ ./4
a = 2 b = 3
Sum: 5
Diff: -1
Product: 6
Division: 0
Modulus: 2muhammad@muhammad-Latitude-5490:~/Desktop$
```
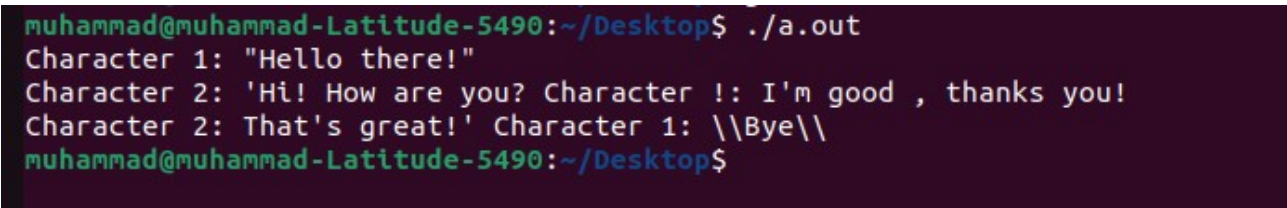
Example 4:

Output:

```
Modulus: 2muhammad@muhammad-Latitude-5490:~/Desktop$ gcc 4.c -o 4
muhammad@muhammad-Latitude-5490:~/Desktop$ ./4
a += b: 15
a -= b: 10
a *= b: 50
a /= b: 10
a %= b: 0
muhammad@muhammad-Latitude-5490:~/Desktop$
```

Question 2:

Code:

```c
#include<stdio.h>
int main()
{
 printf("Character 1: \"Hello there!\"\n");
 printf("Character 2: 'Hi! How are you? Character !: I'm good , thanks you!\n");
 printf("Character 2: That's great!' Character 1: \\\\Bye\\\\\\\n");
 return 0;
 }
```

Output:

```
muhammad@muhammad-Latitude-5490:~/Desktop$ ./a.out
Character 1: "Hello there!"
Character 2: 'Hi! How are you? Character !: I'm good , thanks you!
Character 2: That's great!' Character 1: \\Bye\\
muhammad@muhammad-Latitude-5490:~/Desktop$
```

Question 3:

Code:

```c
#include<stdio.h>
int main()
{
  float y,x;
  printf("Enter value of x:");
  scanf("%f",&x);

  y=3*(x*x*x)-2*(x*x)-x+2;

  printf("Value of y=%f",y);
  return 0;
  }
```

Output:

```
muhammad@muhammad-Latitude-5490:~/Desktop$ ./a.out
Enter value of x: 6
Value of y=572.000000muhammad@muhammad-Latitude-5490:~/Desktop$
```

Question 4:

Code:

```c
#include<stdio.h>
int main()
{
  float account_balance,deposit_amount,withdraw_amount;

   printf("Enter account_balance:");
   scanf("%f",&account_balance);

   printf("Enter deposit_amount:");
   scanf("%f",&deposit_amount);

   account_balance+=deposit_amount;

   printf("value of account_balance=%f\n",account_balance);

   printf("Enter withdraw_amount");
   scanf("%f",&withdraw_amount);


   account_balance-=withdraw_amount;

   printf("value of account_balance=%f\n",account_balance);
   return 0;
   }
```
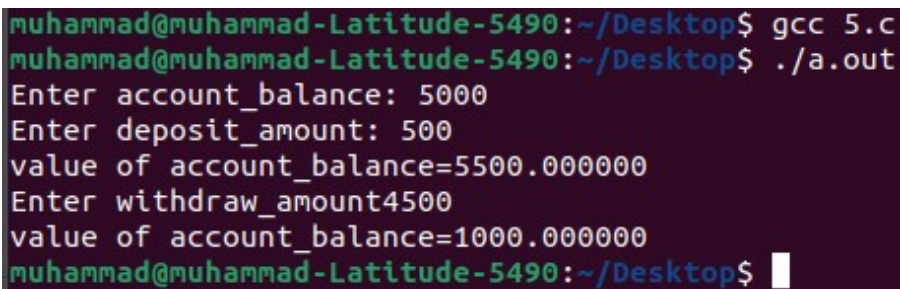
Output:

```
muhammad@muhammad-Latitude-5490:~/Desktop$ gcc 5.c
muhammad@muhammad-Latitude-5490:~/Desktop$ ./a.out
Enter account_balance: 5000
Enter deposit_amount: 500
value of account_balance=5500.000000
Enter withdraw_amount4500
value of account_balance=1000.000000
muhammad@muhammad-Latitude-5490:~/Desktop$
```