Module -1

Logic Building and Problem Solving

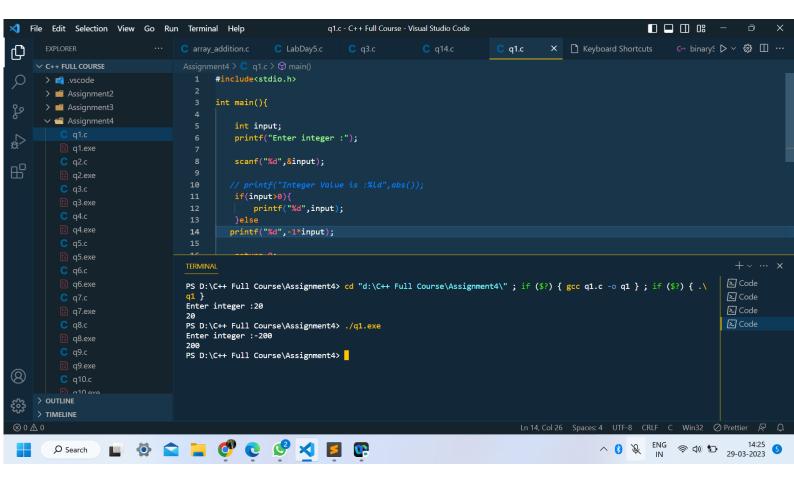
Assignment No. 4

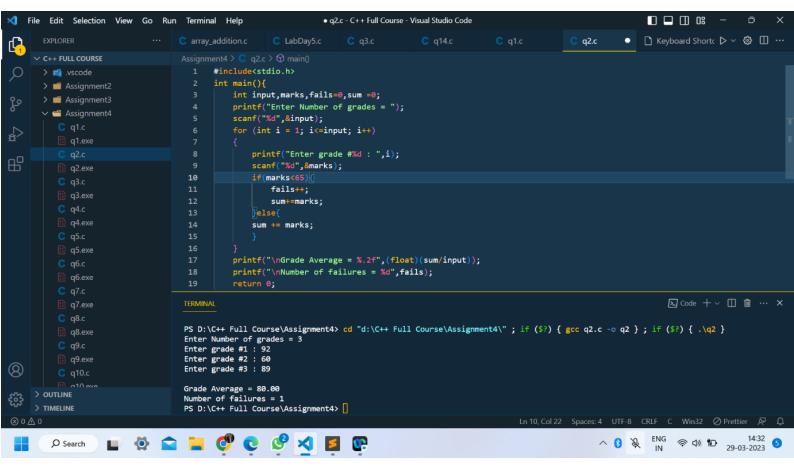
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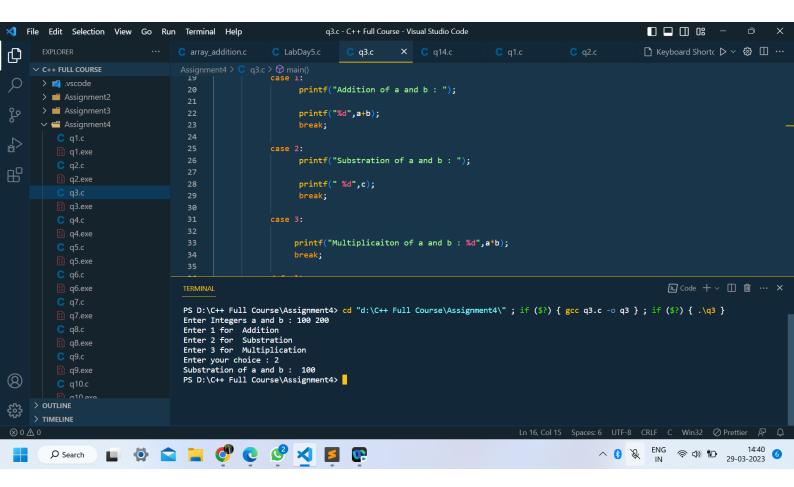
Q1)

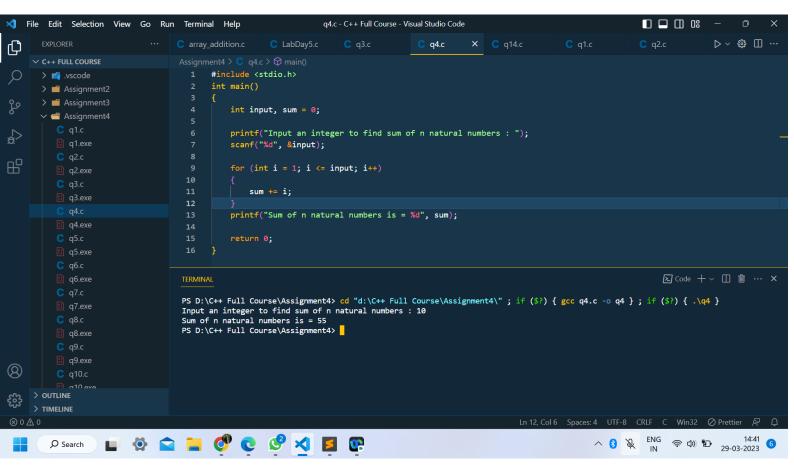


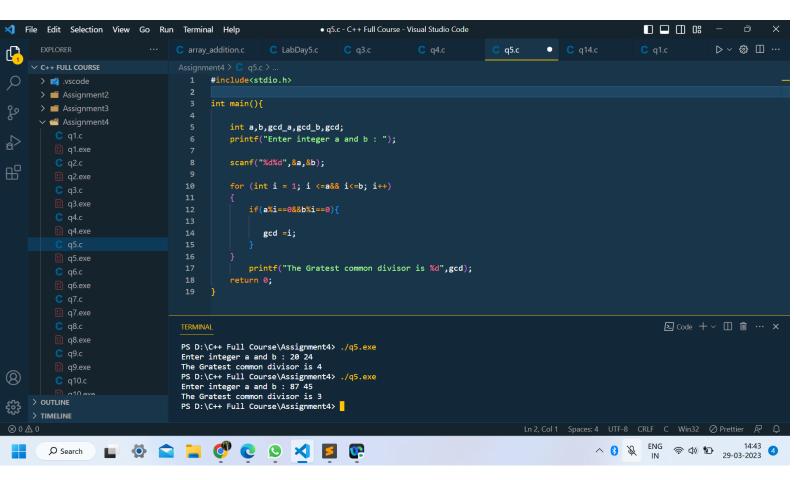


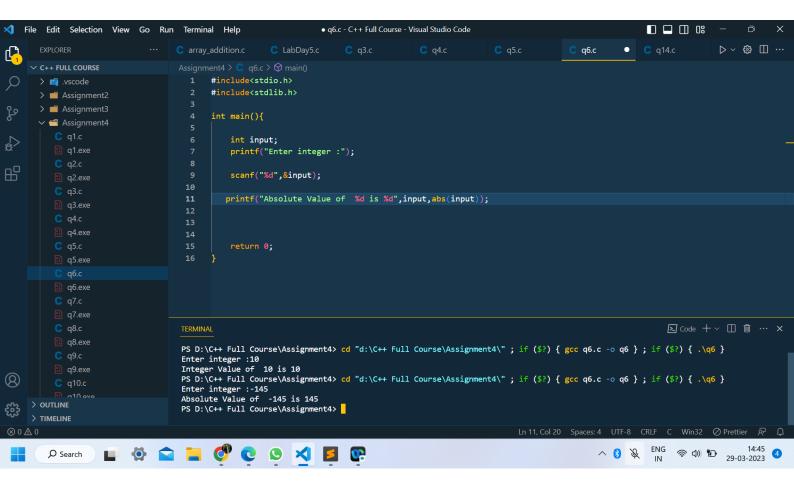
```
#include<stdio.h>
#include <stdlib.h>
int main(){
  int input,a,b;
   printf("Enter Integers a and b : ");
          scanf("%d%d",&a,&b);
   printf("Enter 1 for Addition\n");
   printf("Enter 2 for Substration\n");
   printf("Enter 3 for Multiplication\n");
   printf("Enter your choice : ");
   scanf("%d",&input);
   int c = abs(a-b);
   switch(input)
   {
      case 1:
          printf("Addition of a and b : ");
          printf("%d",a+b);
          break;
```

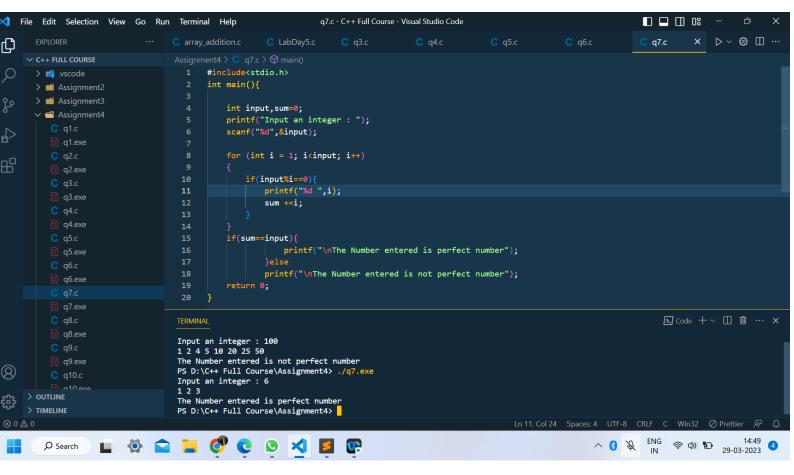
```
case 2:
          printf("Substration of a and b : ");
          printf(" %d",c);
          break;
       case 3:
          printf("Multiplication of a and b : %d",a*b);
          break;
       default:
         printf("Enter 1,2 and 3 choice !!");
         break;
     }
     return 0;
}
```

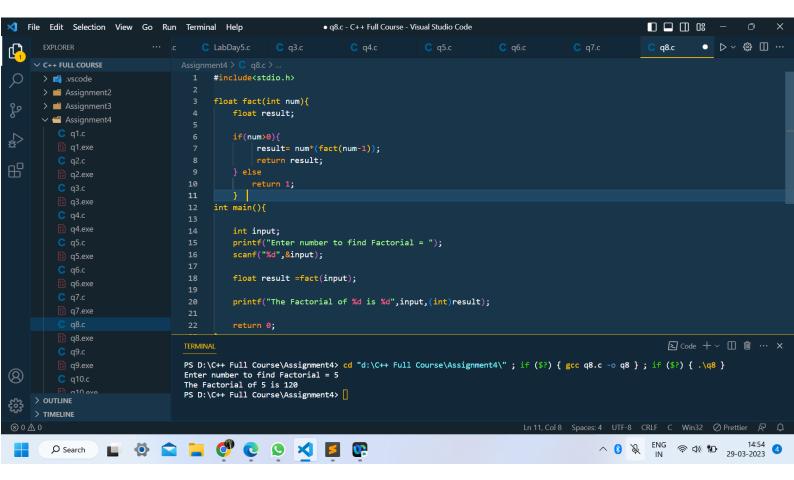


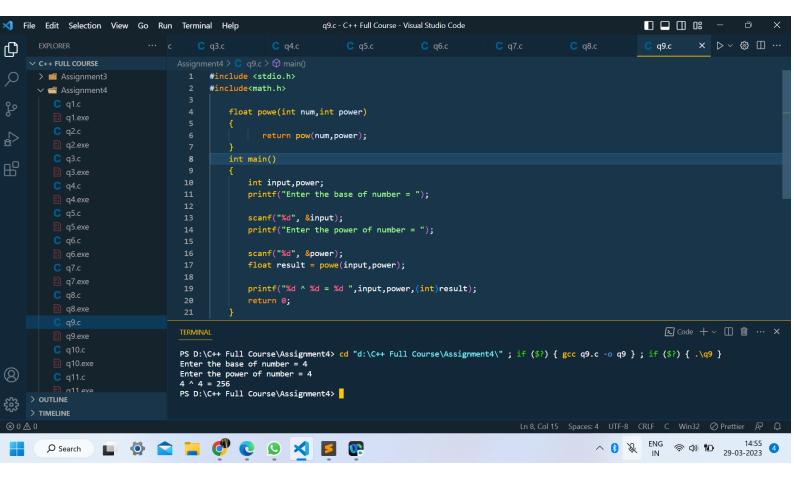












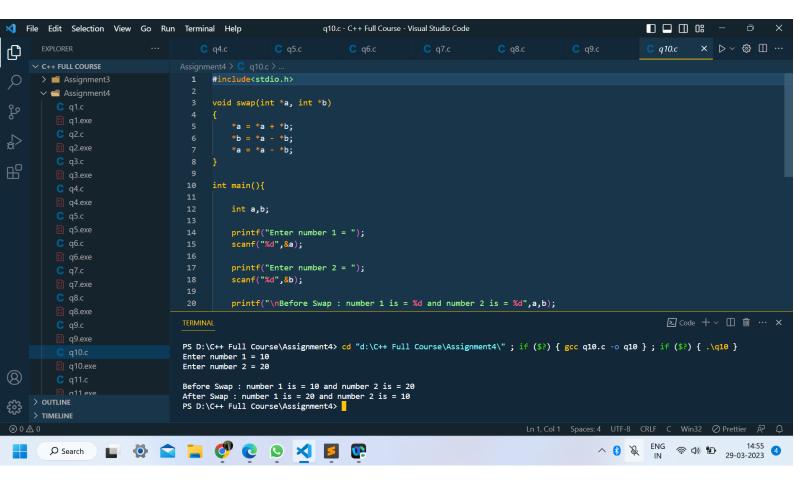
```
#include<stdio.h>
void swap(int *a, int *b)
{
  *a = *a + *b;
  *b = *a - *b;
  *a = *a - *b;
}
int main(){
  int a,b;
  printf("Enter number 1 = ");
  scanf("%d",&a);
  printf("Enter number 2 = ");
  scanf("%d",&b);
  printf("\nBefore Swap : number 1 is = %d and number 2 is =
%d",a,b);
```

Q10)

```
swap(&a,&b);

printf("\nAfter Swap : number 1 is = %d and number 2 is =
%d",a,b);

return 0;
}
```



```
Q11)
#include<stdio.h>
void swap(int*p,int*q){
  int temp;
  temp=*p;
  *p=*q;
  *q=temp;
}
int main(){
  int a,b;
  printf("Enter number 1 = ");
  scanf("%d",&a);
  printf("Enter number 2 = ");
  scanf("%d",&b);
  printf("\nBefore Swap : number 1 is = %d and number 2 is =
```

%d",a,b);

swap(&a,&b);

```
printf("\nAfter Swap : number 1 is = %d and number 2 is =
%d",a,b);
```

}

