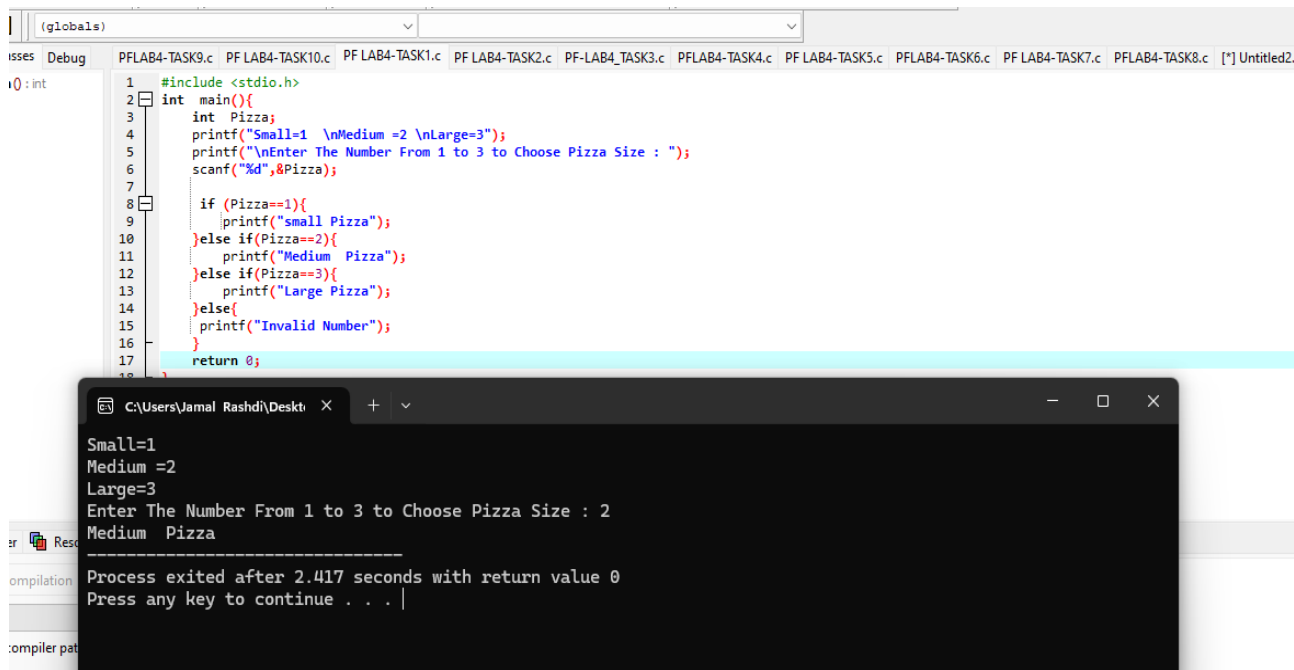


NAME: SAYED SANAULLAH SHAH

ROLL NO: 25K-3092

TASK 1:



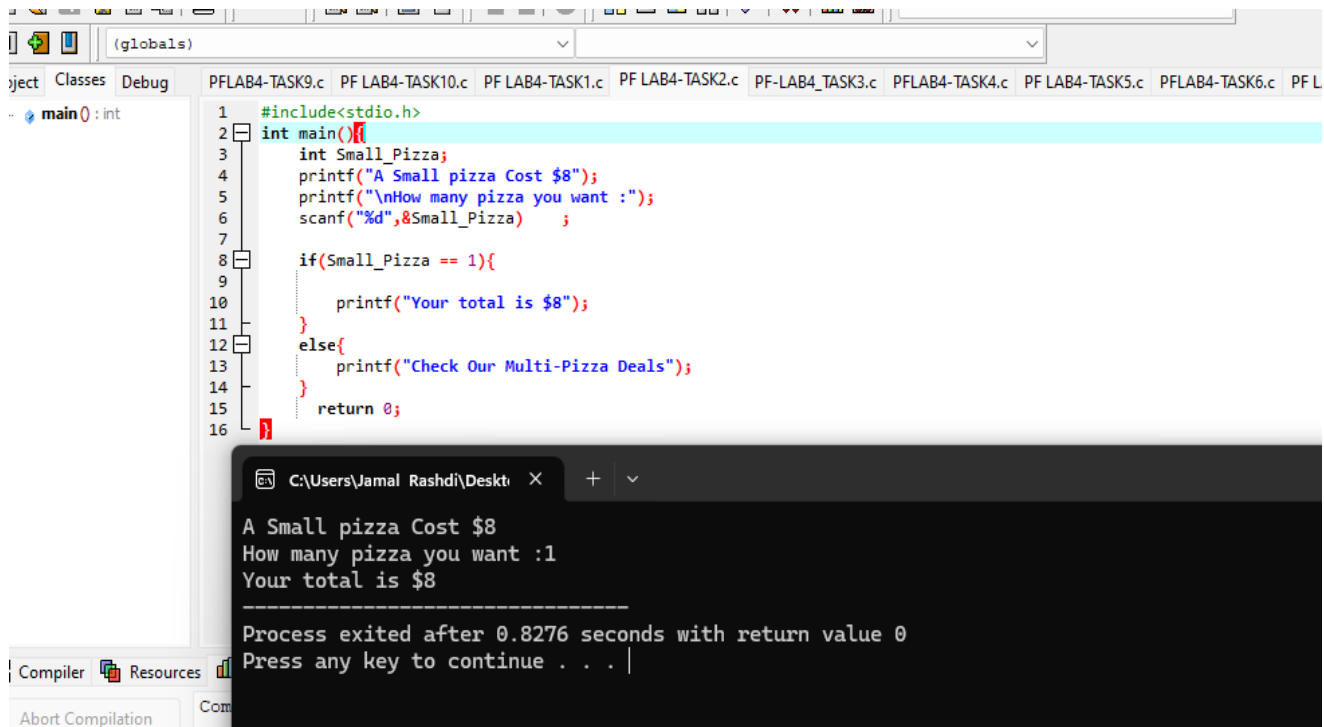
The screenshot shows a C++ IDE with a file explorer at the top displaying various task files. The main editor shows the code for Task 1, which is a program to choose a pizza size. The code is as follows:

```
1 #include <stdio.h>
2 int main(){
3     int Pizza;
4     printf("Small=1 \nMedium =2 \nLarge=3");
5     printf("\nEnter The Number From 1 to 3 to Choose Pizza Size : ");
6     scanf("%d",&Pizza);
7
8     if (Pizza==1){
9         printf("small Pizza");
10    }else if(Pizza==2){
11        printf("Medium Pizza");
12    }else if(Pizza==3){
13        printf("Large Pizza");
14    }else{
15        printf("Invalid Number");
16    }
17    return 0;
18 }
```

The execution output in the terminal window is as follows:

```
Small=1
Medium =2
Large=3
Enter The Number From 1 to 3 to Choose Pizza Size : 2
Medium Pizza
-----
Process exited after 2.417 seconds with return value 0
Press any key to continue . . . |
```

TASK 2:



The screenshot shows a C++ IDE with a file explorer at the top displaying various task files. The main editor shows the code for Task 2, which is a program to calculate the cost of a pizza. The code is as follows:

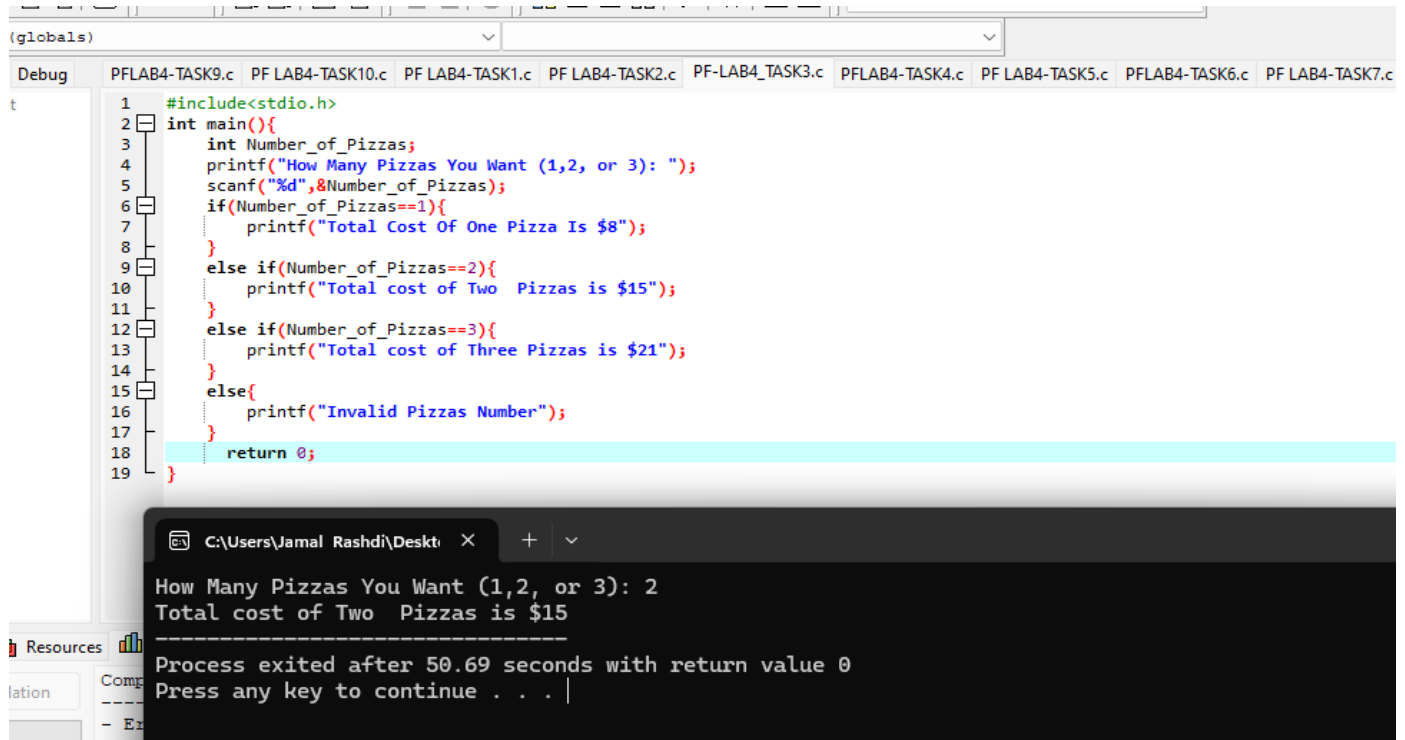
```
1 #include<stdio.h>
2 int main(){
3     int Small_Pizza;
4     printf("A Small pizza Cost $8");
5     printf("\nHow many pizza you want :");
6     scanf("%d",&Small_Pizza);
7
8     if(Small_Pizza == 1){
9
10        printf("Your total is $8");
11    }
12    else{
13        printf("Check Our Multi-Pizza Deals");
14    }
15    return 0;
16 }
```

The execution output in the terminal window is as follows:

```
A Small pizza Cost $8
How many pizza you want :1
Your total is $8
-----
Process exited after 0.8276 seconds with return value 0
Press any key to continue . . . |
```

NAME: SAYED SANAULLAH SHAH
ROLL NO: 25K-3092

TASK 3:



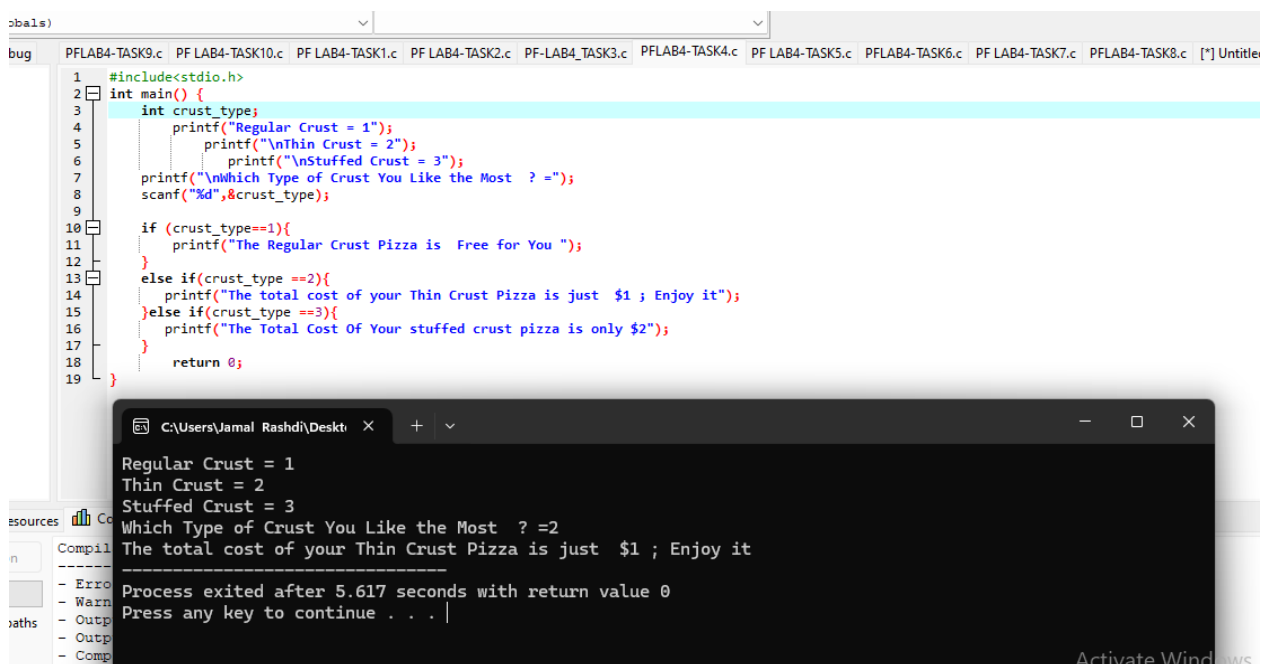
The screenshot shows a C++ IDE with a file named 'PFLAB4-TASK3.c'. The code is as follows:

```
1 #include<stdio.h>
2 int main(){
3     int Number_of_Pizzas;
4     printf("How Many Pizzas You Want (1,2, or 3): ");
5     scanf("%d",&Number_of_Pizzas);
6     if(Number_of_Pizzas==1){
7         printf("Total Cost Of One Pizza Is $8");
8     }
9     else if(Number_of_Pizzas==2){
10        printf("Total cost of Two Pizzas is $15");
11    }
12    else if(Number_of_Pizzas==3){
13        printf("Total cost of Three Pizzas is $21");
14    }
15    else{
16        printf("Invalid Pizzas Number");
17    }
18    return 0;
19 }
```

The execution output in the terminal window is:

```
How Many Pizzas You Want (1,2, or 3): 2
Total cost of Two Pizzas is $15
-----
Process exited after 50.69 seconds with return value 0
Press any key to continue . . . |
```

TASK 4:



The screenshot shows a C++ IDE with a file named 'PFLAB4-TASK3.c'. The code is as follows:

```
1 #include<stdio.h>
2 int main() {
3     int crust_type;
4     printf("Regular Crust = 1");
5     printf("\nThin Crust = 2");
6     printf("\nStuffed Crust = 3");
7     printf("\nWhich Type of Crust You Like the Most ? =");
8     scanf("%d",&crust_type);
9
10    if (crust_type==1){
11        printf("The Regular Crust Pizza is Free for You ");
12    }
13    else if(crust_type ==2){
14        printf("The total cost of your Thin Crust Pizza is just $1 ; Enjoy it");
15    }else if(crust_type ==3){
16        printf("The Total Cost Of Your stuffed crust pizza is only $2");
17    }
18    return 0;
19 }
```

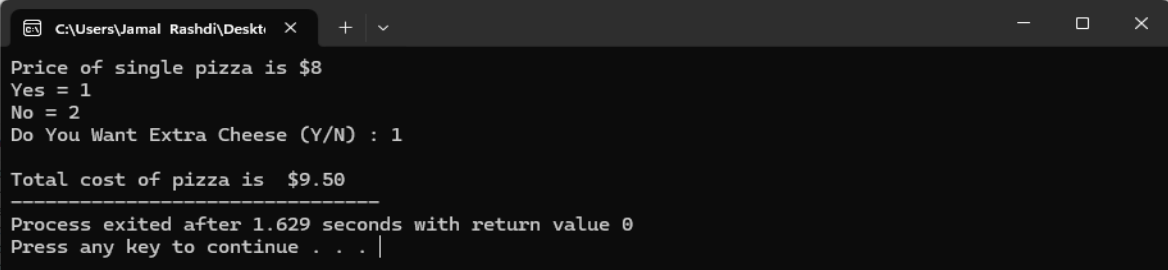
The execution output in the terminal window is:

```
Regular Crust = 1
Thin Crust = 2
Stuffed Crust = 3
Which Type of Crust You Like the Most ? =2
The total cost of your Thin Crust Pizza is just $1 ; Enjoy it
-----
Process exited after 5.617 seconds with return value 0
Press any key to continue . . . |
```

NAME: SAYED SANAULLAH SHAH
ROLL NO: 25K-3092

TASK 5:

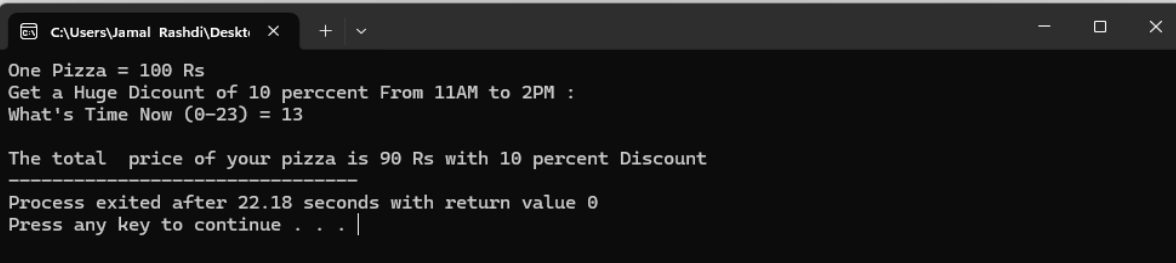
```
PFLAB4-TASK9.c PFLAB4-TASK10.c PFLAB4-TASK1.c PFLAB4-TASK2.c PFLAB4-TASK3.c PFLAB4-TASK4.c PFLAB4-TASK5.c PFLAB4-TASK6.c PFLAB4-TASK7.c PFLAB4-TASK8.c [*]
1 #include<stdio.h>
2 int main(){
3     int Extra_Cheese;
4     printf("Price of single pizza is $8");
5     printf("\nYes = 1");
6     printf("\nNo = 2");
7     printf("\nDo You Want Extra Cheese (Y/N) : ");
8     scanf("%d",&Extra_Cheese);
9     if (Extra_Cheese==1) {
10         printf("\nTotal cost of pizza is $9.50");
11     }
12     else if ("Extra_Cheese ==2"){
13         printf("Your total cost of pizza is just $8");
14     }
15     return 0;
16 }
17 }
```



```
C:\Users\Jamal Rashdi\Desktop >
Price of single pizza is $8
Yes = 1
No = 2
Do You Want Extra Cheese (Y/N) : 1
Total cost of pizza is $9.50
Process exited after 1.629 seconds with return value 0
Press any key to continue . . .
```

TASK 6:

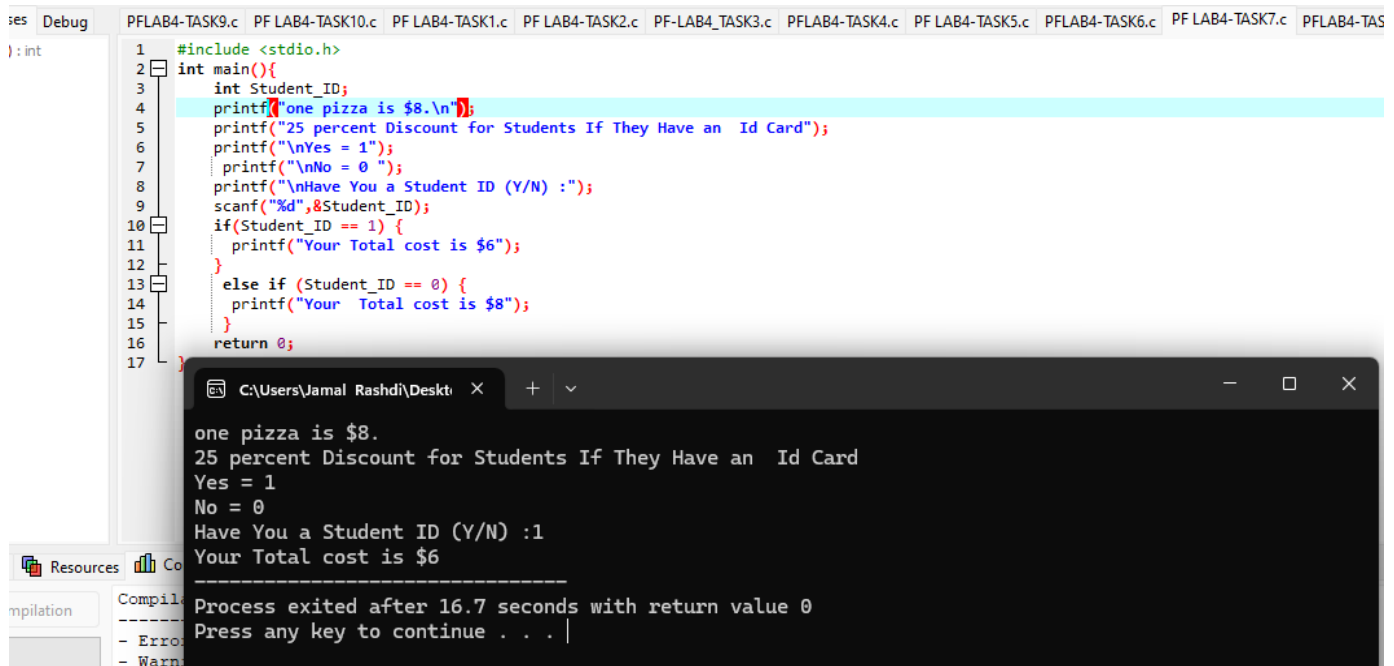
```
PFLAB4-TASK9.c PFLAB4-TASK10.c PFLAB4-TASK1.c PFLAB4-TASK2.c PFLAB4-TASK3.c PFLAB4-TASK4.c PFLAB4-TASK5.c PFLAB4-TASK6.c PFLAB4-TASK7.c PFLAB4-TASK8.c [*] Unti
1 #include<stdio.h>
2 int main() {
3     int time;
4     printf("One Pizza = 100 Rs\n");
5     printf("Get a Huge Discount of 10 percent From 11AM to 2PM :");
6     printf("\nWhat's Time Now (0-23) = ");
7     scanf("%d",&time);
8
9     if(time>=11 && time<=14){
10         printf("\nThe total price of your pizza is 90 Rs with 10 percent Discount");
11     }else{
12         printf("\nThe Discount Time is Over; Soory You should pay completely");
13     }
14     return 0;
15 }
```



```
C:\Users\Jamal Rashdi\Desktop >
One Pizza = 100 Rs
Get a Huge Discount of 10 percent From 11AM to 2PM :
What's Time Now (0-23) = 13
The total price of your pizza is 90 Rs with 10 percent Discount
Process exited after 22.18 seconds with return value 0
Press any key to continue . . .
```

NAME: SAYED SANAULLAH SHAH
ROLL NO: 25K-3092

TASK 7:

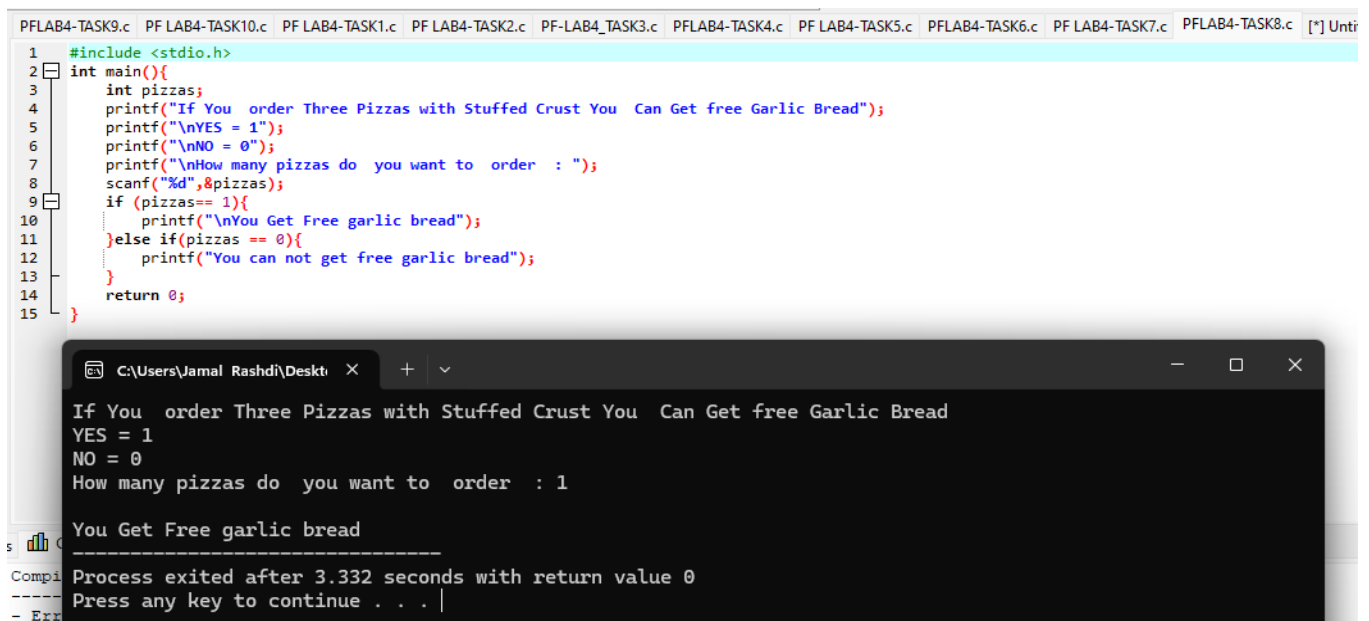


```
1 #include <stdio.h>
2 int main(){
3     int Student_ID;
4     printf("one pizza is $8.\n");
5     printf("25 percent Discount for Students If They Have an Id Card");
6     printf("\nYes = 1");
7     printf("\nNo = 0 ");
8     printf("\nHave You a Student ID (Y/N) :");
9     scanf("%d",&Student_ID);
10    if(Student_ID == 1) {
11        printf("Your Total cost is $6");
12    }
13    else if (Student_ID == 0) {
14        printf("Your Total cost is $8");
15    }
16    return 0;
17 }
```

one pizza is \$8.
25 percent Discount for Students If They Have an Id Card
Yes = 1
No = 0
Have You a Student ID (Y/N) :1
Your Total cost is \$6

Process exited after 16.7 seconds with return value 0
Press any key to continue . . . |

TASK 8:



```
1 #include <stdio.h>
2 int main(){
3     int pizzas;
4     printf("If You order Three Pizzas with Stuffed Crust You Can Get free Garlic Bread");
5     printf("\nYES = 1");
6     printf("\nNO = 0");
7     printf("\nHow many pizzas do you want to order : ");
8     scanf("%d",&pizzas);
9     if (pizzas== 1){
10        printf("\nYou Get Free garlic bread");
11    }else if(pizzas == 0){
12        printf("You can not get free garlic bread");
13    }
14    return 0;
15 }
```

If You order Three Pizzas with Stuffed Crust You Can Get free Garlic Bread
YES = 1
NO = 0
How many pizzas do you want to order : 1
You Get Free garlic bread

Process exited after 3.332 seconds with return value 0
Press any key to continue . . . |

NAME: SAYED SANAULLAH SHAH

ROLL NO: 25K-3092

TASK 9:

```
PFLAB4-TASK9.c PFLAB4-TASK10.c PFLAB4-TASK1.c PFLAB4-TASK2.c PFLAB4-TASK3.c PFLAB4-TASK4.c PFLAB4-TASK5.c PFLAB4-TASK6.c PFLAB4-TASK7.c PFLAB4-TASK8.c [*] Untitled2
1 #include<stdio.h>
2 int main() {
3     int Delivery;
4     printf("Pizza cost is $8 ; If you want to deliver pizza at you home you should pay extra $3. \n");
5     printf("delivery = 1 \n");
6     printf("pickup = 0\n");
7     printf("You want delivery or pickup: ");
8     scanf("%d",&Delivery);
9     if(Delivery==1) {
10        printf("\nTotal Cost of your pizza is $11 ");
11    } else if(Delivery==0) {
12        printf("Total Cost is $8");
13    } else {
14        printf("Invalid input");
15    }
16 }
17 return 0;
18 }
```

```
C:\Users\Jamal Rashdi\Desktop
Pizza cost is $8 ; If you want to deliver pizza at you home you should pay extra $3.
delivery = 1
pickup = 0
You want delivery or pickup: 1

Total Cost of your pizza is $11
-----
Process exited after 13.2 seconds with return value 0
Press any key to continue . . .
```

TASK 10:

1ST:

```
C:\Users\Jamal Rashdi\Desktop
Small=1
Medium =2
Large=3
Enter The Number From 1 to 3 to Choose Pizza Size : 1
= small Pizza

A Small pizza Cost $8
How many pizza you want :1
= Your total is $8

How Many Pizzas You Want (1,2, or 3): 1
= Total Cost Of One Pizza Is $8

Regular Crust = 1
Thin Crust = 2
Stuffed Crust = 3
Which Type of Crust You Like the Most ? =2
= The total cost of your Thin Crust Pizza is just $1 ; Enjoy it

Price of single pizza is $8
Yes = 1
No = 2
Do You Want Extra Cheese (Y/N) : 2
Your total cost of pizza is just $8

One Pizza = 100 Rs
Get a Huge Discount of 10 percent From 11AM to 2PM :
What's Time Now (0-23) = 12
```

NAME: SAYED SANAULLAH SHAH
ROLL NO: 25K-3092

2ND :

```
C:\Users\Jamal Rashdi\Desktop\C Programming\PE LAB4 TASK10.cpp - [Executing] - Dev-C++ 5.11
File Edit View Compiler Shell
C:\Users\Jamal Rashdi\Desktop\C Programming\PE LAB4 TASK10.cpp
One Pizza = 100 Rs
Get a Huge Discount of 10 percent From 11AM to 2PM :
What's Time Now (0-23) = 12

= The total price of your pizza is 90 Rs with 10 percent Discount

one pizza is $8.
25 percent Discount for Students If They Have an Id Card
Yes = 1
No = 0
Have You a Student ID (Y/N) :1
= Your Total cost is $6

If You order Three Pizzas with Stuffed Crust You Can Get free Garlic Bread
YES = 1
NO = 0
How many pizzas do you want to order : 1

= You Get Free garlic bread

Pizza cost is $8 ; If you want to deliver pizza at you home you should pay extra $3.
delivery = 1
pickup = 0
You want delivery or pickup: 0
= Total Cost is $8
=====
Process exited after 39.99 seconds with return value 0
```