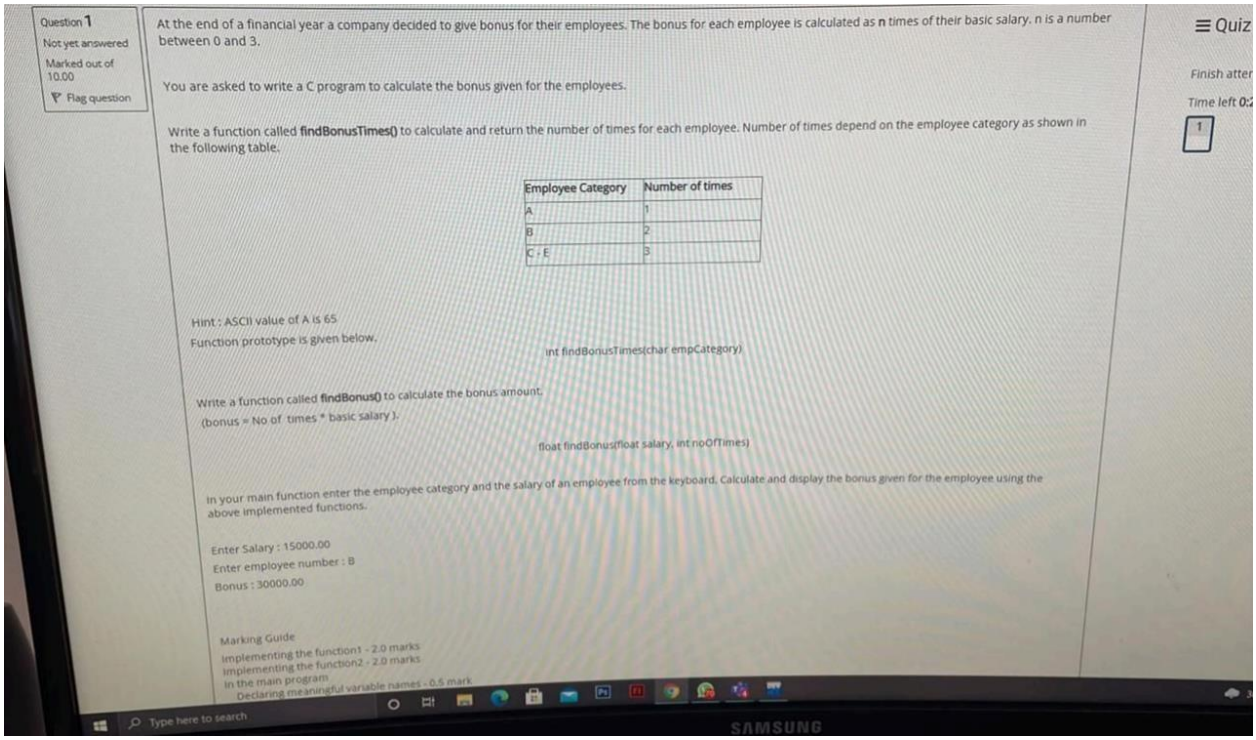
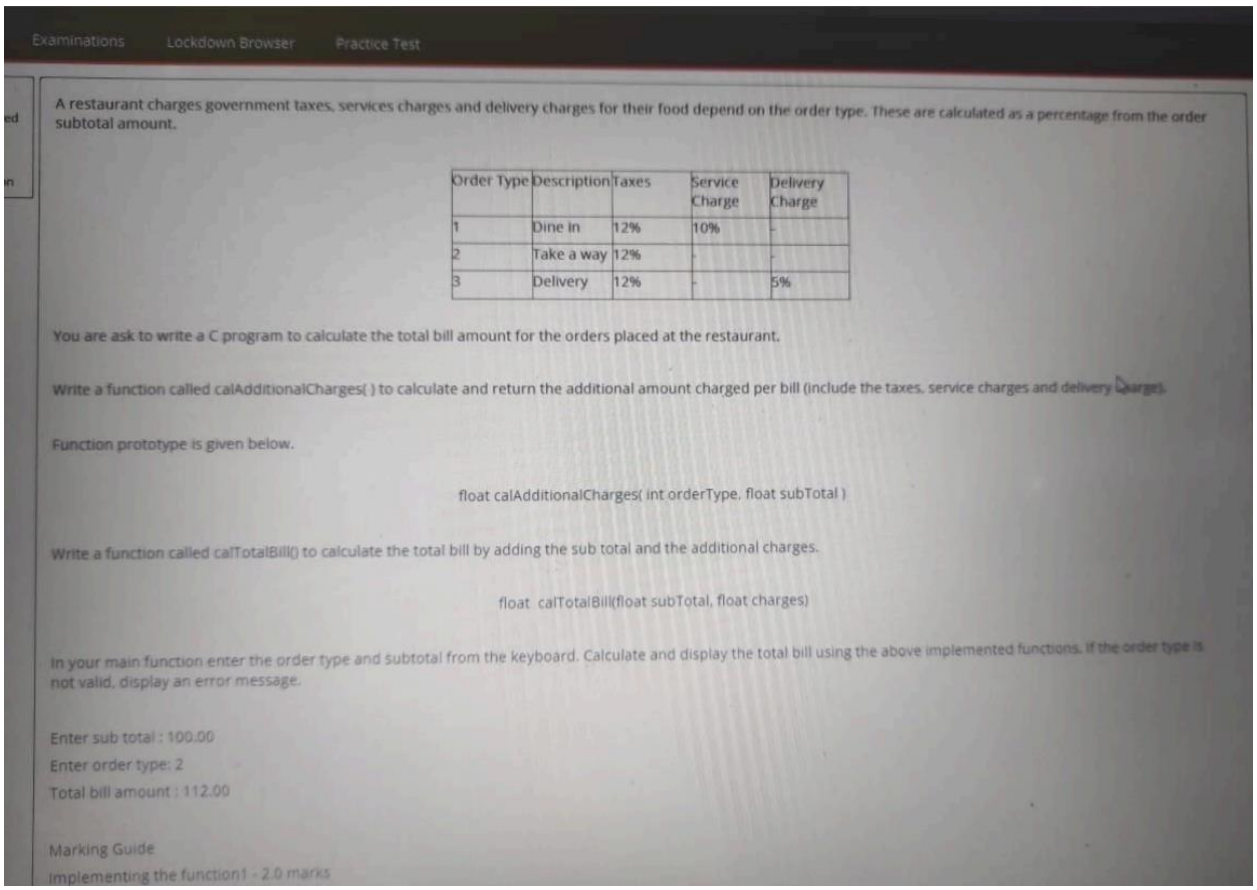



```
#include <stdio.h>

int findBonusTimes( char empCategary);

float findBonus (float salary , int noOfTime);

//function main program execution
int main (void)
{
	char empCategary ;
float salary ;
	int noOfTime ;

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

	printf("Enter Empolyee catogary (A/B/C/D/E):");
	scanf(" %c",&empCategary );

	noOfTime = findBonusTimes( empCategary);

	printf("Bouns : %.2f" , findBonus ( salary , noOfTime) );

	return 0 ;
```

```
} //end function main

int findBonusTimes( char empCategary)
{
        switch (empCategary)
        {
                case 65 :
                   return 1 ;
                        break ;

                case 66 :
   return 2 ;
                        break ;

                case 67 ... 69 :
   return 3 ;
                        break ;

                default : printf("invalid ampolyee Categary!! try again\n");
        }

}

float findBonus (float salary , int noOfTime)
{
        return noOfTime * salary ;
}
```



Examinations Lockdown Browser Practice Test

A restaurant charges government taxes, services charges and delivery charges for their food depend on the order type. These are calculated as a percentage from the order subtotal amount.

| Order Type | Description | Taxes | Service Charge | Delivery Charge |
|---|---|---|---|---|
| 1 | Dine in | 12% | 10% | - |
| 2 | Take a way | 12% | - | - |
| 3 | Delivery | 12% | - | 5% |

You are ask to write a C program to calculate the total bill amount for the orders placed at the restaurant.

Write a function called calAdditionalCharges( ) to calculate and return the additional amount charged per bill (include the taxes, service charges and delivery charge).

Function prototype is given below.

float calAdditionalCharges( int orderType, float subTotal )

Write a function called calTotalBill() to calculate the total bill by adding the sub total and the additional charges.

float calTotalBill(float subTotal, float charges)

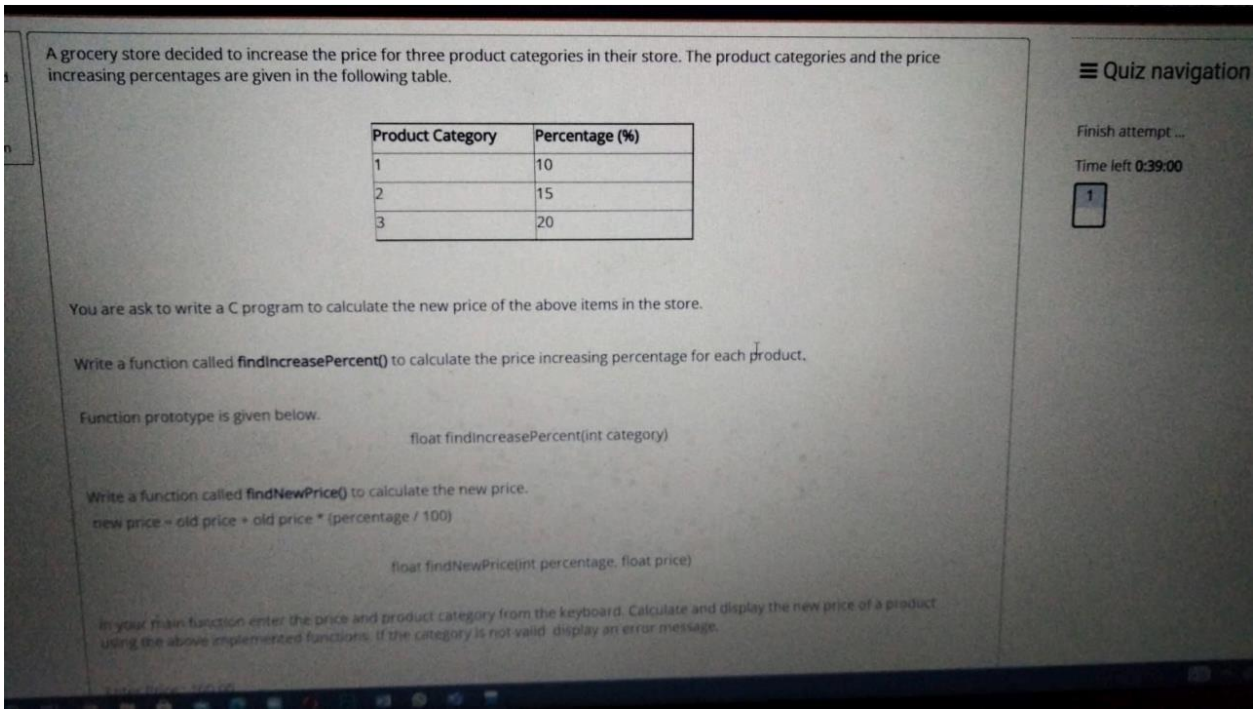
In your main function enter the order type and subtotal from the keyboard. Calculate and display the total bill using the above implemented functions. If the order type is not valid, display an error message.

Enter sub total : 100.00
Enter order type: 2
Total bill amount : 112.00

Marking Guide
Implementing the function1 - 2.0 marks

```
#include <stdio.h>

float calAdditinalCharges (int orderType , float subTotal); float
calTotalBill(float subTotal , float charges);

//function main program execution
int main (void)
{
        int orderType ;  float
subTotal , charges ;

        printf("Enter sub total : ");
        scanf("%f", &subTotal);

        printf("Enter Order type  : ");
        scanf("%d", &orderType);

   charges = calAdditinalCharges ( orderType , subTotal);

   printf("\nTotal bill amount : %.2f", calTotalBill( subTotal , charges)) ;
```

```
   return 0 ;
} // end function main


float calAdditinalCharges (int orderType , float subTotal)
{
	float charge ;
	if (orderType == 1 )
	{
		charge =  (subTotal / 100 * 12.0) + (subTotal / 100 * 10.0) ;
		return charge ;
	}
	else if (orderType == 2 )
	{
		charge =  (subTotal / 100 * 12.0) ;
return charge ;
	}
	else if (orderType == 3 )
	{
		charge =  (subTotal / 100 * 12.0) + (subTotal / 100 * 5.0) ;
		return charge ;
	}
	else
	{
		printf("Oder type invalied!! Try again\n\n'");
	}
}

float calTotalBill(float subTotal , float charges)
{
	return subTotal + charges ;
}
```



A grocery store decided to increase the price for three product categories in their store. The product categories and the price increasing percentages are given in the following table.

| Product Category | Percentage (%) |
|---|---|
| 1 | 10 |
| 2 | 15 |
| 3 | 20 |

Quiz navigation

Finish attempt ...

Time left 0:39:00

1

You are ask to write a C program to calculate the new price of the above items in the store.

Write a function called **findIncreasePercent()** to calculate the price increasing percentage for each product.

Function prototype is given below.

float findIncreasePercent(int category)

Write a function called **findNewPrice()** to calculate the new price.

new price = old price + old price * (percentage / 100)

float findNewPrice(int percentage, float price)

In your main function enter the price and product category from the keyboard. Calculate and display the new price of a product using the above implemented functions. If the category is not valid display an error message.

```
#include <stdio.h>

float findincreasePercent (int category); float
findNewPrice (int percentage , float price);

//function main program execution
int main ()
{
        int category , percentage ;
        float price ;

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

        printf("product category : ");
        scanf("%d", &category);

        percentage = findincreasePercent ( category );

        printf("New price : %.2f", findNewPrice ( percentage , price) );

        return 0 ;
} //end function main
```

```
float findincreasePercent (int category)
{
	switch (category)
	{
		case 1 :
	return 10 ;
		  break ;

		case 2 :
	return 15 ;
		  break ;

		case 3 :
	return 20 ;
		  break ;

		default :
			printf("Category is not valid!! try again\n");
	}
}

float findNewPrice (int percentage , float price)
{
	float n_price ;

	n_price = price + (price * (percentage / 100.0));
	return n_price ;
}
```