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## Practice Problem 9

### Task 1:

### Code:

```
#include<stdio.h>
```

```
int main()
{
int age;
printf("Enter age of person:");
scanf("%d",&age);

switch (age>=18)
{
case 1:
{
printf("User is eligible to vote");
break;
}

default:
{
break;
}
}

switch (age<18)
{
case 1:
{
printf("User is not eligible to vote");
break;
}

default:
{
break;
}
}
```

```
}  
}
```

## Output:

```
muhammad@muhammad-Latitude-5490:~/Desktop$  
muhammad@muhammad-Latitude-5490:~/Desktop$ gcc pflabpp9a.c  
muhammad@muhammad-Latitude-5490:~/Desktop$ ./a.out  
Enter age of person:12  
User is not eligible to vote  
muhammad@muhammad-Latitude-5490:~/Desktop$ ./a.out  
Enter age of person:18  
User is eligible to vote  
muhammad@muhammad-Latitude-5490:~/Desktop$ gcc pflabpp9a.c  
muhammad@muhammad-Latitude-5490:~/Desktop$ ./a.out  
Enter age of person:24  
User is eligible to vote  
muhammad@muhammad-Latitude-5490:~/Desktop$
```

## Task 2:

### Code:

```
#include<stdio.h>  
  
int main()  
{  
int choices,quantity;  
  
printf("Enter Choices (1-5):");  
scanf("%d",&choices);  
  
printf("Enter Quantity:");  
scanf("%d",&quantity);  
  
switch (choices)  
{  
case 1:  
{  
  
float price =2.50;  
float expense = price * quantity;  
  
printf("Espresso");  
printf("You have selected %d Espresso. That will be %f, please ",quantity,expense);  
  
break;
```

```

    }
case 2:
{
    float price=3.00;
    float expense = price * quantity;

    printf("Latte");
    printf("You have selected %d Latte. That will be %f, please ",quantity,expense);
    break;
}
case 3:
{
    float price =3.50;
    float expense = price * quantity;

    printf("Cappuccino");
    printf("You have selected %d Cappuccino. That will be %f, please
",quantity,expense);
    break;
}
case 4:
{
    float price =4.00;
    float expense = price * quantity;
    printf("Mocha");
    printf("You have selected %d Mocha. That will be %f, please ",quantity,expense);

    break;
}
case 5:
{
    float price =2.25;
    float expense = price * quantity;
    printf("Americano");
    printf("You have selected %d Americano. That will be %f, please
",quantity,expense);
    break;
}
default:
{
    printf("Invalid Input");
}
}
}

```

## Output:

```
muhammad@muhammad-Latitude-5490:~/Desktop$ gcc pflabpp9b.c
muhammad@muhammad-Latitude-5490:~/Desktop$ ./a.out
Enter Choices (1-5):2
Enter Quantity:2
LatteYou have selected 2 Latte. That will be 6.000000, please muhammad@muhammad-
Latitude-5490:~/Desktop$ ./a.out
Enter Choices (1-5):4
Enter Quantity:5
MochaYou have selected 5 Mocha. That will be 20.000000, please muhammad@muhammad
-Latitude-5490:~/Desktop$ ./a.out
Enter Choices (1-5):3
Enter Quantity:3
CappuccinoYou have selected 3 Cappuccino. That will be 10.500000, please muhamma
d@muhammad-Latitude-5490:~/Desktop$
```