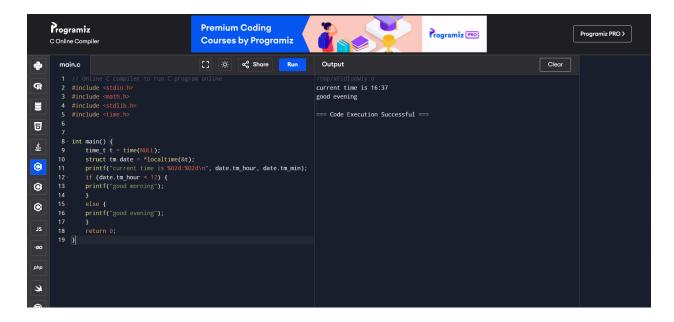
Question 1

```
#include <stdio.h>
#include <math.h>
#include <stdlib.h>
#include <time.h>
int main() {
  time t t = time(NULL);
  struct tm date = *localtime(&t);
  printf("current time is %02d:%02d\n", date.tm_hour, date.tm_min);
  if (date.tm_hour < 12) {
  printf("good morning");
  }
  else {
  printf("good evening");
  }
  return 0;
}
```



Question 2

```
#include <stdio.h>
#include <math.h>
#include <stdlib.h>
#include <time.h>
```

```
int main() {
  // declare input
  int num1, num2, num3;
  //ask user for input
  printf ("enter first number: ");
  scanf ("%d", &num1);
  printf ("enter second number: ");
  scanf ("%d", &num2);
  printf ("enter third number: ");
  scanf ("%d", &num3);
  if (num1 > num2 && num1 > num3) {
     printf ("%d is the greatest number", num1);
  } else if (num2 > num1 && num2 > num3) {
     printf ("%d is the greatest number", num2);
  } else {
     printf ("%d is the greated number", num3);
  }
}
```

```
| Trogramiz | Premium Coding | Courses by Programiz | Programiz |
```

```
int main() {
  // Declare and initialize character arrays
  char B[] = "burger";
  char F[] = "french fries";
  char P[] = "pizza";
  char S[] = "sandwiches";
  // Print menu
  printf("Menu:\n");
  printf("B = %s\n", B);
  printf("F = %s\n", F);
  printf("P = %s\n", P);
  printf("S = %s\n", S);
  int no_of_snacks;
  char type_of_snack[3];
  int quantity[3];
  int price;
  int total_price = 0; // Initialize total price to zero
  printf("How many types of snacks do you need to order?: ");
  scanf("%d", &no_of_snacks);
  if (no of snacks == 1) {
     printf("Enter snack you want to order (B/F/P/S): ");
     scanf(" %c", &type of snack[0]);
     printf("Please provide quantity: ");
     scanf("%d", &quantity[0]);
     printf("\nYou have ordered:\n");
     switch(type_of_snack[0]) {
        case 'B':
          printf("%s - %d\n", B, quantity[0]);
          price = 200 * quantity[0];
          printf("Total price for burgers is %d\n", price);
          total_price += price;
          break:
        case 'F':
          printf("%s - %d\n", F, quantity[0]);
          price = 50 * quantity[0];
          printf("Total price for fries is %d\n", price);
          total_price += price;
          break:
        case 'P':
```

```
printf("%s - %d\n", P, quantity[0]);
        price = 500 * quantity[0];
        printf("Total price for pizza is %d\n", price);
        total price += price;
        break:
     case 'S':
        printf("%s - %d\n", S, quantity[0]);
        price = 150 * quantity[0];
        printf("Total price for sandwiches is %d\n", price);
        total price += price;
        break:
     default:
        printf("Invalid choice.\n");
        break;
  }
} else if (no_of_snacks == 2) {
  printf("Enter the first snack you want to order (B/F/P/S): ");
  scanf(" %c", &type of snack[0]);
  printf("Please provide quantity: ");
  scanf("%d", &quantity[0]);
  printf("Enter the second snack you want to order (B/F/P/S): ");
  scanf(" %c", &type of snack[1]);
  printf("Please provide quantity: ");
  scanf("%d", &quantity[1]);
  printf("\nYou have ordered:\n");
  // Process first snack
  switch(type_of_snack[0]) {
     case 'B':
        printf("%s - %d\n", B, quantity[0]);
        price = 200 * quantity[0];
        printf("Total price for burgers is %d\n", price);
        total_price += price;
        break;
     case 'F':
        printf("%s - %d\n", F, quantity[0]);
        price = 50 * quantity[0];
        printf("Total price for fries is %d\n", price);
        total_price += price;
        break;
     case 'P':
        printf("%s - %d\n", P, quantity[0]);
        price = 500 * quantity[0];
```

```
printf("Total price for pizza is %d\n", price);
        total_price += price;
        break:
     case 'S':
        printf("%s - %d\n", S, quantity[0]);
        price = 150 * quantity[0];
        printf("Total price for sandwiches is %d\n", price);
        total_price += price;
        break;
     default:
        printf("Invalid choice.\n");
        break;
  }
  // Process second snack
   switch(type_of_snack[1]) {
     case 'B':
        printf("%s - %d\n", B, quantity[1]);
        price = 200 * quantity[1];
        printf("Total price for burgers is %d\n", price);
        total price += price;
        break;
     case 'F':
        printf("%s - %d\n", F, quantity[1]);
        price = 50 * quantity[1];
        printf("Total price for fries is %d\n", price);
        total price += price;
        break:
     case 'P':
        printf("%s - %d\n", P, quantity[1]);
        price = 500 * quantity[1];
        printf("Total price for pizza is %d\n", price);
        total price += price;
        break;
     case 'S':
        printf("%s - %d\n", S, quantity[1]);
        price = 150 * quantity[1];
        printf("Total price for sandwiches is %d\n", price);
        total price += price;
        break;
     default:
        printf("Invalid choice.\n");
        break;
} else if (no_of_snacks == 3) {
```

```
printf("Enter the first snack you want to order (B/F/P/S): ");
scanf(" %c", &type_of_snack[0]);
printf("Please provide quantity: ");
scanf("%d", &quantity[0]);
printf("Enter the second snack you want to order (B/F/P/S): ");
scanf(" %c", &type of snack[1]);
printf("Please provide quantity: ");
scanf("%d", &quantity[1]);
printf("Enter the third snack you want to order (B/F/P/S): ");
scanf(" %c", &type_of_snack[2]);
printf("Please provide quantity: ");
scanf("%d", &quantity[2]);
printf("\nYou have ordered:\n");
// Process first snack
switch(type of snack[0]) {
  case 'B':
     printf("%s - %d\n", B, quantity[0]);
     price = 200 * quantity[0];
     printf("Total price for burgers is %d\n", price);
     total price += price;
     break;
  case 'F':
     printf("%s - %d\n", F, quantity[0]);
     price = 50 * quantity[0];
     printf("Total price for fries is %d\n", price);
     total_price += price;
     break;
  case 'P':
     printf("%s - %d\n", P, quantity[0]);
     price = 500 * quantity[0];
     printf("Total price for pizza is %d\n", price);
     total price += price;
     break;
  case 'S':
     printf("%s - %d\n", S, quantity[0]);
     price = 150 * quantity[0];
     printf("Total price for sandwiches is %d\n", price);
     total price += price;
     break;
  default:
     printf("Invalid choice.\n");
```

```
break;
}
// Process second snack
switch(type_of_snack[1]) {
  case 'B':
     printf("%s - %d\n", B, quantity[1]);
     price = 200 * quantity[1];
     printf("Total price for burgers is %d\n", price);
     total_price += price;
     break:
  case 'F':
     printf("%s - %d\n", F, quantity[1]);
     price = 50 * quantity[1];
     printf("Total price for fries is %d\n", price);
     total price += price;
     break;
  case 'P':
     printf("%s - %d\n", P, quantity[1]);
     price = 500 * quantity[1];
     printf("Total price for pizza is %d\n", price);
     total price += price;
     break;
  case 'S':
     printf("%s - %d\n", S, quantity[1]);
     price = 150 * quantity[1];
     printf("Total price for sandwiches is %d\n", price);
     total_price += price;
     break;
  default:
     printf("Invalid choice.\n");
     break:
}
// Process third snack
switch(type_of_snack[2]) {
  case 'B':
     printf("%s - %d\n", B, quantity[2]);
     price = 200 * quantity[2];
     printf("Total price for burgers is %d\n", price);
     total_price += price;
     break:
  case 'F':
     printf("%s - %d\n", F, quantity[2]);
     price = 50 * quantity[2];
     printf("Total price for fries is %d\n", price);
```

```
total price += price;
        break;
     case 'P':
        printf("%s - %d\n", P, quantity[2]);
        price = 500 * quantity[2];
        printf("Total price for pizza is %d\n", price);
        total price += price;
        break;
     case 'S':
        printf("%s - %d\n", S, quantity[2]);
        price = 150 * quantity[2];
        printf("Total price for sandwiches is %d\n", price);
        total price += price;
        break;
     default:
        printf("Invalid choice.\n");
        break;
  }
} else {
   printf("Invalid number of snacks.\n");
// Print total price for all snacks
printf("Total price for all snacks: %d\n", total_price);
return 0;
```

}

```
        mainc
        Conline Compiler

        mainc
        Case "P":
        See Shore
        Num
        Output
        Celeor

        225
        case "P":
        '/*mp/AlfXodOpgLS.o
        //*mp/AlfXodOpgLS.o

        226
        printf("MS - XdNn", P, quantity[2]);
        Memu:
        B = burger
        F = french fries
        P = pizza
        B = burger
        F = french fries
        P = pizza
        P = pizza
        S = sandwiches
        S = sandwiches
```

Question 4