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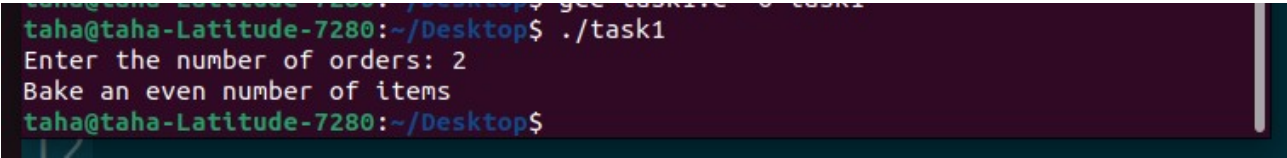
Question No 1:

Input:

```
#include<stdio.h>
void bakeitems(int totalorders)
{
    if (totalorders == 0) {
        printf("Don't bake any items\n");
    } else if (totalorders % 2 == 0) {
        printf("Bake an even number of items\n");
    } else {
        printf("Bake an odd number of items");
    }
}

int main()
{
    int totalorders;
    printf("Enter the number of orders: ");
    scanf("%d", &totalorders);
    bakeitems(totalorders);
    return 0;
}
```

output:

A screenshot of a terminal window with a dark purple background. The prompt is 'taha@taha-Latitude-7280:~/Desktop\$'. The user enters './task1'. The program outputs 'Enter the number of orders: 2' and 'Bake an even number of items'. The prompt returns to 'taha@taha-Latitude-7280:~/Desktop\$'.

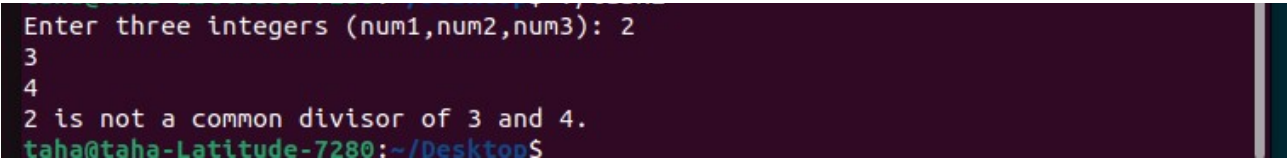
```
taha@taha-Latitude-7280:~/Desktop$ ./task1
Enter the number of orders: 2
Bake an even number of items
taha@taha-Latitude-7280:~/Desktop$
```

Question No 2:

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

```
int isCommonDivisor(int val1, int val2, int val3) {  
    if (val1 == 0) {  
        return 0;  
    }  
  
    if (val2 % val1 == 0 && val3 % val1 == 0) {  
        return 1;  
    } else {  
        return 0;  
    }  
}
```

```
int main() {  
    int num1,num2,num3;  
  
    printf("Enter three integers (num1,num2,num3): ");  
    scanf("%d %d %d", &num1, &num2, &num3);  
  
    if (isCommonDivisor(num1,num2,num3)) {  
        printf("%d is a common divisor of %d and %d.\n",num1,num2,num3);  
    } else {  
        printf("%d is not a common divisor of %d and %d.\n",num1,num2,num3);  
    }  
  
    return 0;  
}
```

A terminal window with a dark purple background. It shows the execution of the C program. The prompt is 'taha@taha-Latitude-7280:~/Desktop\$'. The user enters '2', '3', and '4' on separate lines. The program outputs '2 is not a common divisor of 3 and 4.'.

```
taha@taha-Latitude-7280:~/Desktop$  
Enter three integers (num1,num2,num3): 2  
3  
4  
2 is not a common divisor of 3 and 4.  
taha@taha-Latitude-7280:~/Desktop$
```

question 3:

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

```
char NextTrafficSign(char currentSign);//function declaration
```

```
int main() {
```

```
    char presentSign;//variable declaration
```

```
    char next;//variable declaration
```

```
    printf("enter a traffic sign character but from A to Z: ");
```

```
    scanf(" %c", &presentSign);
```

```
    if (presentSign >= 'A' && presentSign <= 'Z') {
```

```
        next = NextTrafficSign(presentSign);//executed when condition
```

```
true
```

```
        printf(" next traffic sign is: %c\n", next);
```

```
    } else {
```

```
        printf("Invalid input");//when condition fail
```

```
    }
```

```
    return 0;
```

```
}
```

```
char NextTrafficSign(char presentSign)//user define function to check
```

```
next sign
```

```
{
```

```
    if (presentSign >= 'A' && presentSign < 'Z') {
```

```
        return presentSign + 1;
```

```
    } else if (presentSign == 'Z') {
```

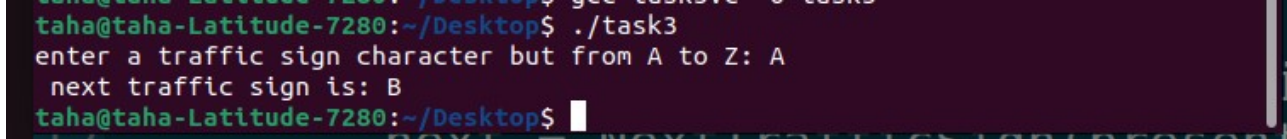
```
        return 'A';
```

```
    } else {
```

```
        return 'A';
```

```
    }
```

```
}
```



```
taha@taha-Latitude-7280:~/Desktop$ ./task3
enter a traffic sign character but from A to Z: A
next traffic sign is: B
taha@taha-Latitude-7280:~/Desktop$
```

```
#include <stdio.h>

//create Function to convert Celsius to Fahrenheit
float CToF(float cel);

int main() {
    float cel, fah;

    // ask the user to enter the temperature in Celsius
    printf("Enter temperature in Celsius: ");
    scanf("%f", &cel);

    // Call the conversion function
    fah = CToF(cel);

    printf("%f degree Celsius is equal to %f degree Fah\n", cel, fah);

    return 0;
}

// definition of function
float CToF(float cel) {
    return (cel * 9 / 5) + 32;
}
```