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```c
// C program to check even a number

#include<stdio.h>
int main()
{
    int i,n;
    printf("\nenter a number: ");
    scanf("%d",&n);
    if(n%2==0)
    {
        printf("%d is even number",n);
    }
    else
    {
        printf("%d is not even number",n);
    }
    return 0;
}
```

Terminal

```
enter a number: 108
108 is even number
```

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```c
//C program to validate date

#include <stdio.h>
int main()
{
    int dd,mm,yy;
    printf("Enter date (DD/MM/YYYY format): ");
    scanf("%d/%d/%d",&dd,&mm,&yy);
    if(yy>=1800 && yy<=9999)
    {
        if(mm>=1 && mm<=12)
        {
            if((dd>=1 && dd<=31) && (mm==1 || mm==3 || mm==5 || mm==7 || mm==8 || mm==10 ||
                printf("Date is valid.\n");
            else if((dd>=1 && dd<=30) && (mm==4 || mm==6 || mm==9 || mm==11))
                printf("Date is valid.\n");
            else if((dd>=1 && dd<=28) && (mm==2))
                printf("Date is valid.\n");
            else if(dd==29 && mm==2 && (yy%400==0 ||(yy%4==0 && yy%100!=0)))
                printf("Date is valid.\n");
            else
                printf("Day is invalid.\n");
        }
        else
        {
            printf("Date is not valid.\n");
        }
    }
    else
    {
        printf("Date is not valid.\n");
    }
    return 0;
}
```

Terminal

```
Enter date (DD/MM/YYYY format): 25/13/2023
Date is not valid.
```


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```c
// C program for reverse a number

#include<stdio.h>
int main()
{
    int n,rev=0;
    scanf("%d",&n);
    while(n!=0)
    {
        rev=rev*10+n%10;
        n=n/10;
    }
    printf("%d",rev);
    return 0;
}
```

Terminal

```
123
321
```

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```c
// C program to check odd a number

#include<stdio.h>
int main()
{
    int i,n;
    printf("\nenter a number: ");
    scanf("%d",&n);
    if(n%2!=0)
    {
        printf("%d is odd number",n);
    }
    else
    {
        printf("%d is not odd number",n);
    }
    return 0;
}

```

Terminal

```
enter a number: 107
107 is odd number
```

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```c
// Day of given date

#include <stdio.h>
#include<string.h>
void main()
{
    int month[12]={31,28, 31, 30, 31, 30, 31, 31, 30, 31, 30, 31};
    int date,mon,year,i,r,s=0;
    char week[7][10];
    strcpy(week[0],"Sunday");
    strcpy(week[1],"Monday");
    strcpy(week[2],"Tuesday");
    strcpy(week[3],"Wednesday");
    strcpy(week[4],"Thursday");
    strcpy(week[5],"Friday");
    strcpy(week[6],"Saturday");
    printf("Enter a valid date (dd/mm/yyyy): ");
    scanf("%d/%d/%d",&date,&mon,&year);
    if((year/4==0)&&(year%400==0)&&(year%100!=0))
    month[1]=29;
    for(i=0;i<mon-1;i++)
    s=s+month[i];
    s=s+(date+year+(year/4)-2);
    s=s%7;
    printf("\nThe day is : %s",week[s]);
}
```

Terminal

```
Enter a valid date (dd/mm/yyyy): 22/12/2022
The day is : Thursday
```

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```c
// C program to calculate simple interest

#include <stdio.h>
int main()
{
    float time, rate, SI;
    long principle;
    printf("Enter principle (amount): ");
    scanf("%ld", &principle);
    printf("Enter time: ");
    scanf("%f", &time);
    printf("Enter rate: ");
    scanf("%f", &rate);
    SI = (principle * time * rate) / 100;
    printf("Simple Interest = %f", SI);
    return 0;
}
```

Terminal

```
Enter principle (amount): 12000
Enter time: 3.4
Enter rate: 4
Simple Interest = 1632.000000
```

Type here to search

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Online C Compiler

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```c
// C program to calculate compound interest

#include <stdio.h>
#include <math.h>
int main()
{
    float rate, time, CI;
    long principle;
    printf("Enter principle (amount): ");
    scanf("%ld", &principle);
    printf("Enter time: ");
    scanf("%f", &time);
    printf("Enter rate: ");
    scanf("%f", &rate);
    CI = principle* (pow((1 + rate / 100), time));
    printf("Compound Interest = %f", CI);
    return 0;
}
```

Terminal

```
Enter principle (amount): 13500
Enter time: 3
Enter rate: 3.4
Compound Interest = 14924.350586
```

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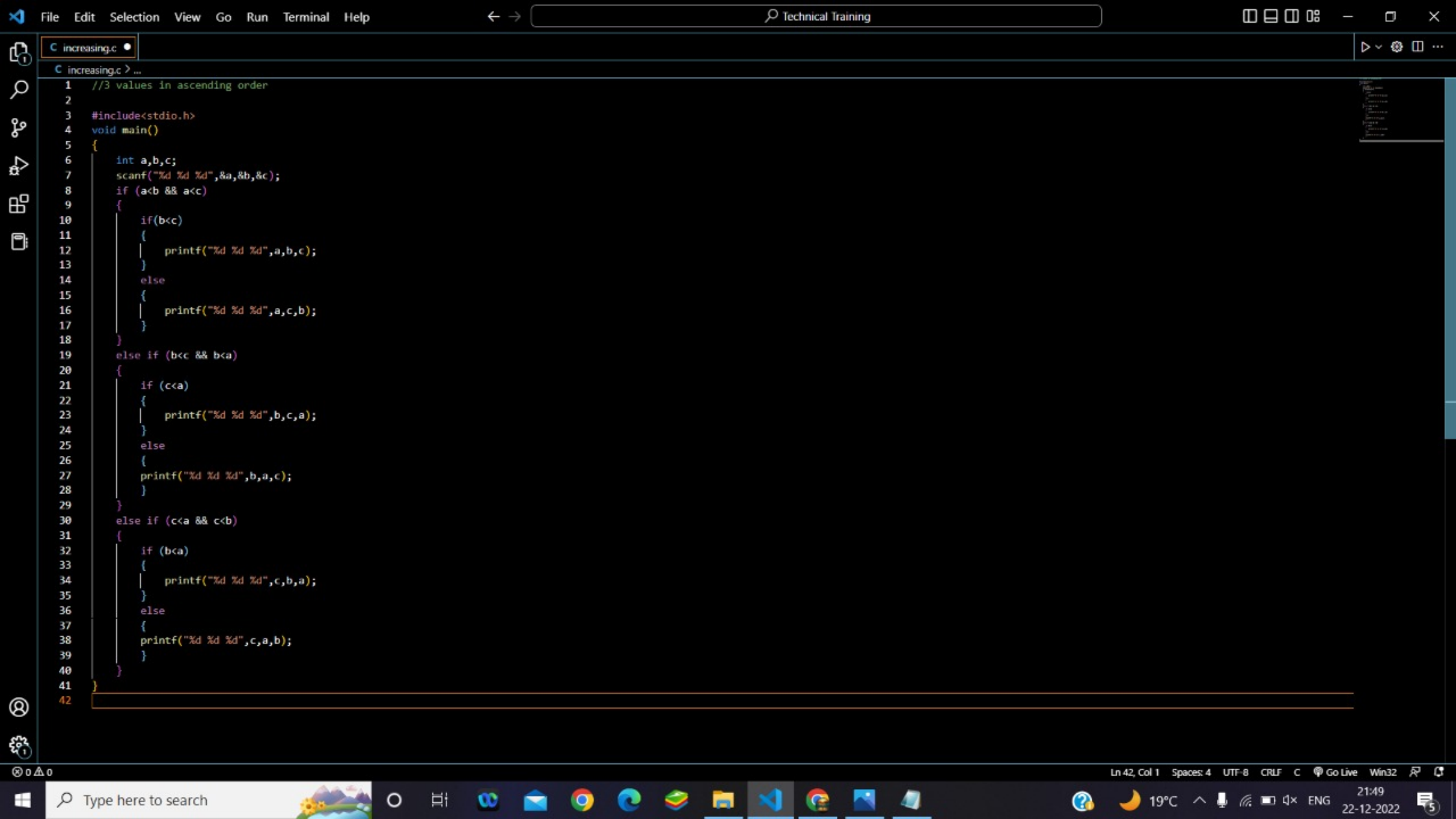
File Edit Selection View Go Run Terminal Help
Technical Training
increasing.c
increasing.c > ...
//3 values in ascending order
#include<stdio.h>
void main()
{
int a,b,c;
scanf("%d %d %d",&a,&b,&c);
if (a<b && a<c)
{
if(b<c)
{
printf("%d %d %d",a,b,c);
}
else
{
printf("%d %d %d",a,c,b);
}
}
else if (b<c && b<a)
{
if (c<a)
{
printf("%d %d %d",b,c,a);
}
else
{
printf("%d %d %d",b,a,c);
}
}
else if (c<a && c<b)
{
if (b<a)
{
printf("%d %d %d",c,b,a);
}
else
{
printf("%d %d %d",c,a,b);
}
}
}
Ln 42, Col 1 Spaces: 4 UTF-8 CRLF C Go Live Win32
Type here to search
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ENG
21:49
22-12-2022

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main.c

```
        else
        {
            printf("%d %d %d",a,c,b);
        }
    }
    else if (b<c && b<a)
```

input

```
33 43 12
12 33 43

...Program finished with exit code 0
Press ENTER to exit console.
```

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```c
// C program to vowel or constant
#include <stdio.h>
int main()
{
    char c;
    int lowercase_vowel, uppercase_vowel;
    printf("Enter an alphabet: ");
    scanf("%c", &c);
    lowercase_vowel = (c == 'a' || c == 'e' || c == 'i' || c == 'o' || c == 'u');
    uppercase_vowel = (c == 'A' || c == 'E' || c == 'I' || c == 'O' || c == 'U');
    if (lowercase_vowel || uppercase_vowel)
        printf("%c is a vowel", c);
    else
        printf("%c is a consonant", c);
    return 0;
}
```

Terminal

```
Enter an alphabet: a
a is a vowel
```

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```c
// C program to vowel or constant
#include <stdio.h>
int main()
{
    char c;
    int lowercase_vowel, uppercase_vowel;
    printf("Enter an alphabet: ");
    scanf("%c", &c);
    lowercase_vowel = (c == 'a' || c == 'e' || c == 'i' || c == 'o' || c == 'u');
    uppercase_vowel = (c == 'A' || c == 'E' || c == 'I' || c == 'O' || c == 'U');
    if (lowercase_vowel || uppercase_vowel)
        printf("%c is a vowel", c);
    else
        printf("%c is a consonant", c);
    return 0;
}
```

Terminal

```
Enter an alphabet: B
B is a consonant
```

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Online C Compiler | C Program to Check Whether a N

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```c
// C program for prime number

#include <stdio.h>
void main()
{
    int n, i, flag = 0;
    printf("Enter a positive integer: ");
    scanf("%d", &n);
    if (n == 0 || n == 1)
        flag = 1;
    for (i = 2; i <= n / 2; ++i)
    {
        if (n % i == 0)
        {
            flag = 1;
            break;
        }
    }
    if (flag == 0)
        printf("%d is a prime number.", n);
    else
        printf("%d is not a prime number.", n);
}
```

Terminal

```
Enter a positive integer: 22
22 is not a prime number.
```

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22:28

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Interactive C Course

main.c

Run

Output

Clear

```c
// C program for prime number 2

#include<stdio.h>
int main()
{
    int x;
    printf("Enter a number:\t");
    scanf("%d",&x);
    if(x==1)
    {
        printf("Neither prime nor Composite");
        return 0;
    }
    else if(x>3&&(x%2==0||x%3==0))
    {
        printf("Not prime");
        return 0;
    }
    else
    {
        for(int f=5;f*f<=x;f+=6)
        {
            if(x%f==0||x%(f+2==0))
            {
                printf("Not a prime");
                return 0;
            }
        }
        printf("Is a Prime");
        return 0;
    }
    printf("Invalid");
    return 0;
}
```

```
/tmp/c1FFbrtNbD.o
Enter a number: 12
Not prime
```

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22:55

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C Program To Arrange Numbers | Online C Compiler

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```c
// C program to arrange numbers in descending order DescOrder

#include<stdio.h>
void main()
{
    int number[5];
    int i, j, a;
     printf("Enter the numbers \n");
    for (i=0; i<4;++i)
        scanf("%d",&number[i]);
    for (i=0;i<4;++i)
    {
        for (j=i+1;j<4;++j)
        {
            if (number[i] < number[j])
            {
                a = number[i];
                number[i] = number[j];
                number[j] = a;
            }
        }
    }
    printf("The numbers arranged in descending order are given below\n");
    for (i=0;i<4;++i)
    {
        printf("%d\t", number[i]);
    }
}
```

Terminal

```
Enter the numbers
4 6 7 5
The numbers arranged in descending order are given below
7
6
5
4
```

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```c
// C program to check number is positive,negative or zero

#include<stdio.h>
void main()
{
    int number;

    printf("Enter a number:\t");
    scanf("%d", &number);
    (number > 0) ? printf("%d is a positive number\n", number):
    (number < 0) ? printf("%d is a negative number\n", number):
    printf("Number is zero\n");
}
```

Terminal

```
Enter a number: 66
66 is a positive number
```