```
1 // Program to check whether entered number is negative.
2 #include <stdio.h>
3 int main()
4 {
5    int num;
6    printf("Enter a number: ");
7    scanf("%d", &num);
8    if (num < 0)
9    {
10       printf("The number %d is negative", num);
11    }
12    return 0;
13 }</pre>
```

```
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> ./question1
Enter a number: -34
The number -34 is negative.

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```

```
// Program to determine whether the entered number is even or odd.

#include <stdio.h>

int main()

{

int num;

printf("Enter a number: ");

scanf("%d", &num);

if (num % 2 == 0)

{

printf("The number %d is even", num);

}

else

{

printf("The number %d is odd", num);

}

return 0;

}
```

```
PROBLEMS OUTPUT TERMINAL CODEWHISPERER REFERENCE LOG COMMENTS DEBUG CONSOLE

> ./question2
Enter a number: 23
The number 23 is odd%
> ./question2
Enter a number: 10
The number 10 is even%

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```

```
/*C program that input Cost Price(CP) and Selling Price(SP) of a product
and calculate profit or loss.*/
#include <stdio.h>
int main()

{
float CP, SP, profit, loss;
printf("Enter Cost Price: ");
scanf("%f", &CP);
printf("Enter Selling Price: ");
scanf("%f", &SP);
if (SP > CP)

{
    profit = SP - CP;
    printf("Profit = %.2f", profit);
}
else

{
    loss = CP - SP;
    printf("Loss = %.2f", loss);
}
return 0;
}
```

```
PROBLEMS OUTPUT TERMINAL CODEWHISPERER REFERENCE LOG COMMENTS DEBUG CONSOLE

> ./question3
Enter Cost Price: 32
Enter Selling Price: 24
Loss = 8.00%
> ./question3
Enter Cost Price: 355
Enter Selling Price: 554
Profit = 199.00%

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```

```
1 // Program to determine the roots of quadratic equation ax^2 + bx + c = 0
   #include <math.h>
  #include <stdio.h>
4 int main()
       float a, b, c, d, root1, root2, real, img;
       printf("Enter the coefficients a, b and c: ");
       scanf("%f%f%f", &a, &b, &c);
d = b * b - 4 * a * c;
           printf("Imaginary Roots.");
           d = sqrt(fabs(d));
           img = d / (2 * a);
           printf("\nRoot1 = %.2f +i %.2f", real, img);
           printf("\nRoot2 = %.2f -i %.2f", real, img);
      else
           printf("Real Roots.");
           d = sqrt(d);
           root1 = (-b + d) / (2 * a);
           printf("\nRoot1 = %.2f \t Root2 = %.2f", root1, root2);
       return 0;
```

```
PROBLEMS OUTPUT TERMINAL CODEWHISPERER REFERENCE LOG COMMENTS DEBUG CONSOLE

> ./question4
Enter the coefficients a, b and c: 2 8 3
Real Roots.
Root1 = -0.42 Root2 = -3.58%

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```

```
// Program that find the smallest among three numbers using nested if else statement
#include <stdio.h>
int main()

{

int n1, n2, n3;
printf("Enter three numbers: ");
scanf("%d%d%d", &n1, &n2, &n3);
if (n1 < n2)

{

if (n1 < n3)

{

printf("%d is the smallest number", n1);
}

else

{

if (n2 < n3)

{

printf("%d is the smallest number", n2);
}

else

{

printf("%d is the smallest number", n3);
}

else

{

printf("%d is the smallest number", n3);
}

}
```

```
PROBLEMS OUTPUT TERMINAL CODEWHISPERER REFERENCE LOG COMMENTS DEBUG CONSOLE

> ./question5
Enter three numbers: 3 45 7
3 is the smallest number%

> ./question5
Enter three numbers: 23 19 55
19 is the smallest number%

> ./question5
Enter three numbers: 12 44 9
9 is the smallest number%

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```

```
percentage <80 and per>=60, grade = B
percentage <60 and per>=50, grade = C
9 #include <stdio.h>
10 int main()
        float m1, m2, m3, m4, per;
        char grade;
        printf("Enter the marks of four subject: ");
        scanf("%f%f%f%f", &m1, &m2, &m3, &m4);
        if (per >= 80)
            grade = 'A';
        else if (per < 80 && per >= 60)
            grade = 'B';
        else if (per < 60 && per >= 50)
            grade = 'C';
        else if (per < 50 && per >= 40)
            grade = 'D';
            grade = 'F';
        printf("Percentage is %f\n Grade is %c", per, grade);
```

```
PROBLEMS OUTPUT TERMINAL CODEWHISPERER REFERENCE LOG COMMENTS DEBUG CONSOLE
> ./question6
```

Enter the marks of four subject: 87 45 89 65 Percentage is 71.500000 Grade is B

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```
/*Program that find the largest among three numbers using logical operators and else if statement*/

#include <stdio.h>

int main()

{
    int n1, n2, n3;
    printf("Enter three numbers:");
    scanf("%d%d%d", &n1, &n2, &n3);
    if (n1 > n2 && n1 > n3)

{
        printf("%d is the largest number", n1);

}
    else if (n2 > n1 && n2 > n3)

{
        printf("%d is the largest number", n2);

}

else

{
        printf("%d is the largest number", n3);

}

return 0;

}
```

```
PROBLEMS OUTPUT TERMINAL CODEWHISPERER REFERENCE LOG COMMENTS DEBUG CONSOLE

> ./question7
Enter three numbers: 23 43 55
55 is the largest number%
> ./question7
Enter three numbers: 32 4 20
32 is the largest number%
> ./question7
Enter three numbers: 12 33 4
33 is the largest number%

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```