

C a2q1.c



C a2q2.c

C a2q3.c

C a2q4.c

Question 1

PROBLEMS

OUTPUT

TERMINAL



Code



C a2q1.c > main()

```
1  /*                      Name: PRINCE MAURYA
2  |      | Roll no.:21D80005      Mobile no.:9453122989      */
3
4  #include <stdio.h>
5
6  int main()
7  {
8      int a, b, c, biggest, lowest;
9      printf("Enter three numbers no:\n");
10     scanf("%d\n %d\n %d", &a, &b, &c);
11
12     biggest = ((a > b) & (a > c)) ? a : (b > c)?b : c;
13     lowest = ((a < b) & (a < c)) ? a : (b < c) ? b : c;
14
15     printf("Biggest number is: %d\n Lowest number is: %d",
16     biggest, lowest);
17     return 0;
18 }
```

```
PS C:\Users\princ\OneDrive - NIT Durgapur\CSS 51 LAB> cd "
c:\Users\princ\OneDrive - NIT Durgapur\CSS 51 LAB\" ; if (
$?) { gcc a2q1.c -o a2q1 } ; if ($?) { .\a2q1 }
Enter three numbers no:
56
45
78
Biggest number is: 78
Lowest number is: 45
PS C:\Users\princ\OneDrive - NIT Durgapur\CSS 51 LAB>
```

C a2q1.c

C a2q2.c

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C a2q3.c

C a2q4.c

Question 2

PROBLEMS

OUTPUT

TERMINAL

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C a2q2.c > main()

```
1  /*                      Name: PRINCE MAURYA
2  |      |      | Roll no.:21D80005      Mobile no.:9453122989      */
3
4  #include<stdio.h>
5  int main(){
6      int a;
7      printf("Enter year :\n");
8      scanf("%d",&a);
9
10     if(a>=1000&a<=9999){
11         if(a%100==0){
12             if(a%400==0){
13                 printf("%d is a leap year-366 days.",a);
14             }
15             else{
16                 printf("%d is a normal year-365 days.",a);
17             }
18         }
19         else if(a%4==0){
20             printf("%d is a leap year-366 days.",a);
21         }
22         else{
23             printf("%d is a normal year-365 days.",a);
24         }
25     }
26     else{
27         printf("Not a four digit year");
28     }
29     return 0;
30 }
```

```
PS C:\Users\princ\OneDrive - NIT Durgapur\CSS 51 LAB> cd "
c:\Users\princ\OneDrive - NIT Durgapur\CSS 51 LAB\" ; if (
$?) { gcc a2q2.c -o a2q2 } ; if ($?) { .\a2q2 }
Enter year :
1000
1000 is a normal year-365 days.
PS C:\Users\princ\OneDrive - NIT Durgapur\CSS 51 LAB> |
```

C a2q3.c > main()

```
1  /*                      Name: PRINCE MAURYA
2  |      |      |      Roll no.:21D80005      Mobile no.:9453122989      */
3
4  #include <stdio.h>
5  int main(){
6      int number;
7      printf("Enter only 1 or 2 digit number : ");
8      scanf("%d", &number);
9      printf("Number in words : ");
10
11     switch (number){
12         case 0:printf("zero");
13             break;
14         case 11:printf("eleven");
15             break;
16         case 12:printf("twelve");
17             break;
18         case 13:printf("thirteen");
19             break;
20         case 14:printf("fourteen");
21             break;
22         case 15:printf("fifteen");
23             break;
24         case 16:printf("sixteen");
25             break;
26         case 17:printf("seventeen");
27             break;
28         case 18:printf("eighteen");
29             break;
30         case 19:printf("nineteen");
31             break;
32     default:
33         switch(number/10){
34             case 2:printf("twenty");
```

```
PS C:\Users\princ\OneDrive - NIT Durgapur\CSS 51 LAB> cd "
c:\Users\princ\OneDrive - NIT Durgapur\CSS 51 LAB\" ; if (
$?) { gcc a2q3.c -o a2q3 } ; if ($?) { .\a2q3 }
Enter only 1 or 2 digit number : 45
Number in words : fortyfive
PS C:\Users\princ\OneDrive - NIT Durgapur\CSS 51 LAB> [ ]
```

```
35     break;
36     case 3:printf("thirty");
37     break;
38     case 4:printf("forty");
39     break;
40     case 5:printf("fifty");
41     break;
42     case 6:printf("sixty");
43     break;
44     case 7:printf("seventy");
45     break;
46     case 8:printf("eighty");
47     break;
48     case 9:printf("ninety");
49     break;}
50     switch (number%10){
51     case 1:printf("one");
52     |     break;
53     case 2:printf("two");
54     |     break;
55     case 3:printf("three");
56     |     break;
57     case 4:printf("four");
58     |     break;
59     case 5:printf("five");
60     |     break;
61     case 6:printf("six");
62     |     break;
63     case 7:printf("seven");
64     |     break;
65     case 8:printf("eight");
66     |     break;
67     case 9:printf("nine");
68     |     break;}
69     }
70     return 0;
71 }
```

C a2q1.c

C a2q2.c

C a2q3.c

C a2q4.c

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





Question 4

PROBLEMS

OUTPUT

TERMINAL

...

 Code     

C a2q4.c > ...

```
1  /*                      Name: PRINCE MAURYA
2  |      |      | Roll no.:21D80005      Mobile no.:9453122989      */
3
4  #include<stdio.h>
5  int main(){
6      int a,b;
7      char oprnd;
8      printf("Enter the operand:\n");
9      scanf("%c",&oprnd);
10     printf("Enter two numbers :\n");
11     scanf("%d\n %d",&a,&b);
12     switch(oprnd){
13         case '+':
14             printf("%d + %d = %d",a,b,a+b);
15             break;
16         case '-':
17             printf("%d - %d = %d",a,b,a-b);
18             break;
19         case '*':
20             printf("%d * %d = %d",a,b,a*b);
21             break;
22         case '/':
23             printf("%f / %f = %f",a,b,a/b);
24             break;
25         case '%':
26             printf("Remainder when %d / %d = %d",a,b,a%b);
27             break;
28         default:
29             printf("Invalid operation.");
30     }
31 }
32 return 0;
33 }
```

```
PS C:\Users\princ\OneDrive - NIT Durgapur\CSS 51 LAB> cd "
c:\Users\princ\OneDrive - NIT Durgapur\CSS 51 LAB\" ; if (
$?) { gcc a2q4.c -o a2q4 } ; if ($?) { .\a2q4 }
Enter the operand:
```

*

Enter two numbers :

3

5

3 * 5 = 15

PS C:\Users\princ\OneDrive - NIT Durgapur\CSS 51 LAB> |