

## TEAM 5

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```
1. #include<stdio.h>
2. int main()
3. {
4.     int i,j,rows,space;
5.     printf("enter the number of rows: \n");
6.     scanf("%d",&rows);
7.     for(i=rows;i>=1;--i)
8.     {
9.         for(space=0;space<rows-i;++space)
10.            printf(" ");
11.         for(j=i;j<=2*i-1;++j)
12.             printf("* ");
13.         for(j=0;j<i-1;++j)
14.             printf(" ");
15.         printf("\n");
16.     }
17.     return 0;
18. }
```

4

```
enter the number of rows:*****
*****
```

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```
1. #include<stdio.h>
2. #include<math.h>
3. int main()
4. {
5.     int number,sqroot;
6.     printf("enter the number: ");
7.     scanf("%d",&number);
8.     sqroot=sqrt(number);
9.     printf("\nsquare root of %d and - %d",number,sqroot,sqroot);
10.    return 0;
11. }
```

6561

enter the number:  
square root of 6561 and 81

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```
1. #include<stdio.h>
2. int main()
3. {
4. int n,num,digits,sum=0;
5. printf("enter an digit number:");
6. scanf("%d",&num);
7. n=num;
8. while(n>0)
9. {
10. digits=n%10;
11. sum+=digits;
12. n/=10;
13. }
14. printf("the sum of digits of %d is %d\n",num,sum);
15. return 0;
16. }
```

87

enter an digit number:the sum of  
digits of 789 is 24

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```
#include<stdio.h>
int main()
{
    int rows,cols;
    printf("enter the no of rows:");
    scanf("%d",&rows);
    printf("enter the no of columns:");
    scanf("%d",&cols);
    for(int i=1;i<=rows;i++)
    {
        for(int j=1;j<=cols;j++)
        {
            if(i==1|| i == rows || j==1 ||j==cols)
            {
                printf("$ ");
            }
            else
            {
                printf(" ");
            }
        }
        printf("\n");
    }
    return 0;
}
```

5  
3

enter the no of rows:enter the no of columns:\$ \$\$ \$ \$ \$ \$ \$ \$

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```
1. #include<stdio.h>
2. #include<string.h>
3. int main()
4. {
5.     char str[100],new_str[100];
6.     int j=0;
7.     printf("enter a string:");
8.     gets(str);
9.     for(int i=0;i<strlen(str);i++)
10.    {
11.        if(str[i]!='a' && str[i]!='e' && str[i]!='i' && str[i]!='o' && str!= 'u' && str[i]!='A' &&
12.        {
13.            new_str[j]=str[i];
14.            j++;
15.        }
16.    }
17.    new_str[j]='\0';
18.    printf("string after removing vowels:%s\n",new_str);
19.    return 0;
20. }
```

Your Input Goes Here...!!!

enter an digit number:the sum of digits of 87 is 15

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Run Save Logoff

```
1. #include<stdio.h>
2. #include<string.h>
3. int main()
4. {
5.     char str[100];
6.     int i,j,n;
7.     printf("enter a word:");
8.     scanf("%s",str);
9.     n=strlen(str);
10.    for(i=0;i<n-1;i++)
11.    {
12.        for(j=i+1;j<n;j++)
13.        {
14.            if(str[i]<str[j])
15.            {
16.                char temp=str[i];
17.                str[i]=str[j];
18.                str[j]=temp;
19.            }
20.        }
21.    }
22.    printf("the word arranged in reverse alphabetical order is:%s\n",str);
23.    return 0;
24. }
```

sathya

I  
enter a word:the word arranged in reverse alphabetical order is:

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A screenshot of a computer screen displaying a C programming interface. The interface has a yellow header bar with buttons for 'Run' and 'Save'. On the right side of the header is a 'Logout' button. The main area shows a dark-themed code editor with white text. The code is as follows:

```
1. #include<stdio.h>
2. #include<string.h>
3. int main()
4. {
5.     int age;
6.     printf("enter your age: ");
7.     scanf("%d",&age);
8.     if(age>=18)
9.     {
10.         printf("\nthe person is eligible to vote");
11.     }
12.     else
13.     {
14.         printf("\nthe person is not eligible to vote");
15.         printf("\nyou are not allowed to vote %d years.",18-age);
16.     }
17.     return 0;
18. }
```

The output window on the right shows the following text:

5  
enter your age:-  
the person is eligible to vote

The taskbar at the bottom of the screen includes a search bar, pinned icons for File Explorer, Google Chrome, and File Manager, battery status (34%), weather (28°C Mostly clear), system icons, and system status (ENG IN 2:47 PM 4/5/2023).

The screenshot shows a C programming interface with the following details:

- Code Area:** Displays a C program to check if a number is Armstrong. The code uses `#include <stdio.h>` and `int main()` to prompt for input, calculate the sum of cubes of digits, and print the result.
- Output Area:** Shows the output for the input "153", which is identified as an Armstrong number.
- System Status Bar:** At the bottom, it shows a search bar, system icons, battery level (34%), weather (28°C Mostly clear), language (ENG IN), date (4/6/2023), and time (2:46 PM).

```
1. #include<stdio.h>
2. int main()
3. {
4.     int num,r,sum=0,temp;
5.     printf("enter any number:");
6.     scanf("%d",&num);
7.     for(temp=num;num!=0;num=num/10){
8.         r=num%10;
9.         sum=sum+(r*r*r);
10.    }
11.    if(sum==temp)
12.    {
13.        printf("%d is an armstrong number",temp);
14.    }
15.    else
16.    {
17.        printf("%d is not an armstrong number",temp);
18.    }
19.    return 0;
20. }
```

153

enter any number:153 is an armstrong number

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Logout

```
C Run Save 4
1. #include<stdio.h>
2. #include<string.h>
3. int main()
4. {
5.     int i,j,rows;
6.     for(i=1;i<=4;i++)
7.     {
8.         for(j=1;j<=i;j++)
9.         {
10.             printf("%d ",i);
11.         }
12.         printf("\n");
13.         for(i=3;i>=1;i--)
14.         {
15.             for(j=1;j<=i;j++)
16.             {
17.                 printf("%d ",i);
18.             }
19.             printf("\n");
20.         }
21.     }
22.     return 0;
23. }
```

1  
22  
333  
4444  
333  
22  
1

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```
1. #include<stdio.h>
2. #include<string.h>
3. int main()
4. {
5.     char s1[100],search;
6.     int i,l;
7.     printf("enter the string:");
8.     gets(s1);
9.     l=strlen(s1);
10.    printf("\nenter the character to be found:");
11.    scanf("%s",&search);
12.    for(i=0;i<=l;i++)
13.    {
14.        if(s1[i]==search)
15.        {
16.            printf("\nthe index of the given letter is %d",i);
17.        }
18.    }
19.    return 0;
20. }
```

hello  
o

enter the string:  
enter the character to be found:

Type here to search

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