

```

/*
* que : to accept string with multiple spaces form the user and print as it is
* name : nikhil kisan khond
* batch :PPA9
*/

```

```

// soluction

```

```

#include<stdio.h>
#include<conio.h>

```

```

void main()
{
    char string[100];
    printf("enter a string\n");
    fgets(string,sizeof(string),stdin);
    printf("%s",string);
    getch();
}

```

```

/*
* que :to accept string with multiple spaces and print it with single space as
* name : nikhil kisan khond
* batch :PPA9
*/

```

```

// soluction

```

```

#include<stdio.h>
#include<conio.h>

```

```

void main()
{
    char str[100],i=0,n;
    printf("enter the string character\n");
    fgets(str,100,stdin);
    printf("string are:%s",str);
    while(str[i]!='\0')
    {
        while(str[i]==' ')
        {
            i++;
        }
        while(str[i]!=' '&&str[i]!='\0')
        {
            printf("%c",str[i]);
            i++;
        }
        printf(" ");
        i++;
    }
    getch();
}

```

```

/*
* que: to count no of character in given string
* name: nikhil kisan khond
* batch: PPA9
*/

// solution

#include<stdio.h>
#include<conio.h>

void main()
{
    int i,count=0;
    char string[100];
    printf("enter a string\n");
    fgets(string,100,stdin);

    for(i=1;string[i]!='\0';i++)
    {
        if(string[i]!=' ')
        {
            count++;
        }
    }
    printf("total number of character in string is %d\n",count);
    getch();
}

```

```

/*
* que: to accept string and print it in reverse order
* name: nikhil kisan khond
* batch: PPA9
*/

// solution

#include<stdio.h>
#include<conio.h>

void main()
{
    int i=0,count=0;
    char string[100];
    printf("enter a string\n");
    fgets(string,100,stdin);
    while(string[i]!='\0')
    {
        count++;
        i++;
    }
    for(i=count-1;i>=0;i--)
    {
        printf("%c",string[i]);
    }
}

```

```

        getch();
    }

/*
 * que: to count count of number of vowels and number of consonants in given string
 * name: nikhil kisan khond
 * batch: PPA9
 */

    // solution

#include<stdio.h>
#include<conio.h>

void main()
{
    int i=0,vowels=0,consonants=0;
    char string[100];
    printf("enter a string\n");
    fgets(string,100,stdin);

    for(i=0;string[i]!='\0';i++)
    {
        if(string[i]=='a' || string[i]=='e' || string[i]=='i' || string[i]=='o' || string[i]=='
u')
            vowels++;
        else
            consonants++;
    }
    printf("%d\n",vowels);
    printf("%d\n",consonants);
    getch();
}

```

```

/*
 * que : write a c progrsm to replace a good names in mail. eg- input string=Hello
Goodname
        output string=Hello Nikhil
 * name : nikhil kisan khond
 * batch :PPA9
 */

    // solution

#include<stdio.h>
#include<conio.h>

void main()
{
    char mail[100]="Hello GoodName";
    char name[100];
    int i,j;
    printf("please enter a given name\n");
    fgets(name,sizeof(name),stdin);
    for(i=6,j=0;name[j]!='\0';i++,j++)
    {
        mail[i]=name[j];
    }
}

```

```

    }
    printf("output=%s",mail);
    getch();
}

```

```

/*
* que : write a c program which accept a string form user which contain character from
'b' to 'y'
      Eg. input string= mn jn kn kazfd   output string= mn jn kn k
* name : nikhil kisan khond
* batch :PPA9
*/

```

```

// solution

```

```

#include<stdio.h>
#include<conio.h>

void main()
{
    char string[100];
    int i=0;
    printf("please enter a string\n");
    fgets(string,sizeof(string),stdin);
    printf("the entered string is %s",string);

    while(string[i]!='\n')
    {
        if(string[i]>='b' && string[i]<='y')
        {
            printf("%c",string[i]);
        }
        if(string[i]==' ')
        {
            printf("%c",' ');
        }
        i++;
    }

    getch();
}

```

```

/*
* que : accept sentence form user and print number of white spaces form that sentences
* name : nikhil kisan khond
* batch :PPA9
*/

```

```

// solution

```

```

#include<stdio.h>
#include<conio.h>

void main()
{
    char string[100];
    int i=0,spaces=0;
    printf("please enter a string\n");

```

```

fgets(string,sizeof(string),stdin);
printf("the entered string is %s",string);

while(string[i]!=0)
{
    if(string[i]==' ')
    {
        spaces++;
    }
    i++;
}
printf("number of white spaces id %d\n",spaces);
getch();
}

```

```

/*
* Que = to convert the string form appear case tolower case
* Name = Nikhil Kisan Khond
* Batch = PPA9
*/

```

```

// soluction

```

```

#include<stdio.h>
#include<conio.h>

void main()
{
    char str[100];
    int i;
    printf("please enter a string\n");
    fgets(str,sizeof(str),stdin);
    printf("entered string is %s",str);
    printf("the string in lower case is\n");

    for(i=0;str[i]!='\n';i++)
    {
        if(str[i]>=65 && str[i]<=90)
        {
            str[i]=str[i]+32;
        }

        printf("%c",str[i]);
    }
    getch();
}

```

```

/*
* Que = write a c program which toggle the case of string
* Name = Nikhil Kisan Khond
* Batch = PPA9
*/

```

```

// soluction

```

```

#include<stdio.h>

```

```

#include<conio.h>

void main()
{
    char str[100];
    int i;
    printf("please enter a string\n");
    fgets(str,sizeof(str),stdin);
    printf("entered string is %s",str);
    printf("the string in toggle case is\n");
    for(i=0;str[i]!='\n';i++)
    {
        if(str[i]>=62 && str[i]<=90)
        {
            str[i]=str[i]+32;
        }
        else if(str[i]>=97 && str[i]<=122)
        {
            str[i]=str[i]-32;
        }
        printf("%c",str[i]);
    }
    getch();
}

```

```

*
* Que = write a c program which accept string form user and copy that string into some
other string
* Name = Nikhil Kisan Khond
* Batch = PPA9
*/

```

```

// solution

```

```

#include<stdio.h>
#include<conio.h>

void main()
{
    char str1[100], str2[100];
    int i;
    printf("please enter a string\n");
    fgets(str1,sizeof(str1),stdin);
    printf("entered string is %s",str1);
    printf("copy string is\n");
    for(i=0;str1[i]!='\n';i++)
    {
        str2[i]=str1[i];
    }
    printf("%s",str2);
    getch();
}

```

```

/*
* Que = write a c program which accept sentences form user and print number of small
letters , capital letters ,
spaces , digits form that sentences
* Name = Nikhil Kisan Khond
*Batch =PPA9
*/

```

```

// solution

```

```

#include<stdio.h>
#include<conio.h>

void main()
{
    char str[100];
    int i;
    int Small =0;
    int capital =0;
    int spaces =0;
    int digits =0;
    printf("enter a string\n");
    fgets(str,sizeof(str),stdin);
    printf("entered string is %s",str);
    for(i=0;str[i]!='\n';i++)
    {
        if(str[i]>=65 && str[i]<=90)
        {
            capital++;
        }
        else if(str[i]>=97 && str[i]<=122)
        {
            Small++;
        }
        else if(str[i]>=48 && str[i]<=57)
        {
            digits++;
        }
        else if(str[i]==' ')
        {
            spaces++;
        }
    }
    printf("\ncapitals letters are %d",capital);
    printf("\nSmall letters are %d",Small);
    printf("\ndigits are %d",digits);
    printf("\nspaces are %d",spaces);
    getch();
}

```