

HOLIDAY HOMEWORK

1. Find the output of the following program

```
#include<iostream.h>
#include<string.h>
#include<ctype.h>
void Convert(char Str[],int Len)
{
    for(int Count=0;Count<Len;Count++)
    {
        if(isupper(Str[Count]))
            Str[Count]=tolower(Str[Count]);
        else if (islower(Str[Count]))
            Str[Count]=toupper(Str[Count]);
        else if(isdigit(Str[Count]))
            Str[Count]=Str[Count]+1;
        else Str[Count]='*';
    }
}
void main()
{
    char Text[]="CBSE Exam 2005";
    int Size=strlen(Text);
    Convert(Text,Size);
    cout<<"Text<<endl;
    for(int C=0,R=Size-1;C<=Size/2;C++,R--)
    { char Temp=Text[C];
      Texr[C]=Text[R];
      Text[R]=Temp;
    }
    cout<<Text<<endl;
}
```

2. What will be the output of the following program:

```
#include<iostream.h>
void main()
{
    int v1=5,v2=10;
    for(int x=1;x<=2;x++)
    {
        cout<<"++v1<<'\'<<v2--<<endl;
        cout<<--v2<<'\'<<v1++<<endl;
    }
}
```

3. Give the output of the following program segment (Assuming all required header files are included in the program) :

```

char *Name="a ProFile";
for(int x=0;x<=strlen(Name);x++)
    if (islower(*NAME[x]))
        NAME[x]=toupper ((NAME)[x]);
    else
        if(isupper(NAME)[x])
            if(x%2!=0)
                NAME[x]=tolower(NAME)[x-1];
            else
                NAME[x]--;
cout<<NAME<<endl;

```

4. Give the output of the following program segment (Assuming all required header files are included in the program) :

```

char *s="GOODLUCK";
for (int x=strl(s)-1;x>=0;x--)
{
    for(int y=0;y<=x;y++)cout<<s[y];
    cout<<endl;
}

```

5. Give the output of the following program segment:

```

void main()
char *NAME="CoMPutER";
for(int x=0;x<strlen(NAME);x++)
    if(islower(NAME)[x])
        NAME[x]=toupper(NAME[x]);
    else
        if(isupper(NAME[X]))
            if(x%2==0)
                NAME[x]=tolower(NAME(x));
            else
                NAME[x]=NAME[x-1];
puts(NAME);

```

6. Write a program to read a string and print its length

7. write a declaration for a function called CLAS() that takes two argument of type float and retrun type int. The first argument is type int and the second is float with a default value 3.14.

8. Use the concept of function overloading to convert a character from lowercase to uppercase and to increment an integer

9. Write a function Transform(int A[][3],int N,int M) in C++ to swap the elements of first and the last row.(Assume N as row and M as columns)

10. Write a function to accept a string and search for a substring(a group of continuous character).If the search is successful, the function should return the position of the substring and -1 otherwise.