

ASSIGNMENT FOR THE SESSION 2013-2014

Class: XI

Subject : Computer Science

Assignment No. 2

1. Find error in the following program and give the suitable reason for the same

```
#include<iostream.h>
void main( )
{
    int x=10;
    char *p=&x;
    p=p*2;
    int *ptr=&p;
    cout<,*p;
    exit;
}
```

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- 2 a) Find the output of the following program?

```
#include<iostream.h>
int & max( int &x, int &y)
{
    if (x> y )
        return x ;
    else
        return y;
}
void main( )
{
    int a=10, b=20;
    max(a,b)= -1 ;
    cout<< a<< " "<<b<<" ";
    max(b,a) =7 ;
    cout<< a++<< " "<< b- -<<" ";
    max(a,b) =3 ;
    cout<< a<< " "<<b<<" ";
}
```

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- b) Find the output of the following program:

```
#include<iostream.h>
#include<string.h>
#include<ctype.h>
void convert(char str[],int len)
{
for(int c=0;c<len;c++)
{
if (isupper(str[c]))
str[c]=tolower(str[c]);
else if (islower(str[c]))
str[c]=toupper(str[c]);
else if (isdigit(str[c]))
str[c]=str[c]+1;
else str[c]='*';
}
}
void main()
{
char text[]="MONDAY Test 2010";
int size=strlen(text);
```

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```

convert(text,size);
cout<<text<<endl;
for(int c=0,r=size-1;c<=size/2;c++,r--)
{
    char temp=text[c];
    text[c]=text[r];
    text[r]=temp;
}
cout<<text<<endl;
}

```

- c) Find the output of the following program?

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```

#include<iostream.h>
int a=3;
void demo(int &x,int y,int *z)
{
    a+=x;
    y*=a;
    *z=a+y;
    cout<<a<<" "<<x<<" "<<y<<" "<<*z<<endl;
}
void main()
{
    int a=2,b=5;
    demo(::a,a,&b);
    cout<<::a<<" "<<a<<" "<<b<<endl;
}

```

3. a) Write a function SORT to sort the 2D array containing N strings in alphabetical order.

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- b) Write a function to count number of words in a given string (of sentence) that starts with consonant and return the count;

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Example : In a string " Monday test class eleven" number of word that starts with consonant are 3

Note – Between words there may be more than one spaces

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