

- 13) Find the output of the following program.

```
int main(){
    int limit=100,n,x,op;
    for(n=1;n<=limit;n++){
        x=n;
        for(op=0;x!=0;x=x/10){
            op=op*10;
            op=op+x%10;
        }
        if(op==n)
            printf("%d ",n);
    }
    return 0;
}
```

- 14) Find the output of the following program.

```
int fun2(int a);
int fun1(int a,int b);
int main()
{
    int a=5,b=4,res;
    res=fun1(a,b);
    printf("%d",res);
    return 0;
}
int fun1(int a,int b)
{
    static int r=1;
    if(b==0)
        return 1;
    r=fun2(a)*fun1(a-1,b-1);
    return r;
}
int fun2(int a)
{
    if(a==1)
        return 1;
    else
        return a + fun2(a-1);
}
```

15) Find the output of the following program.

```
void doAction(int arr[], int n);
void doAction(int arr[], int n)
{
    int i, temp;
    temp = arr[0];
    for (i = 0; i < n-1; i++)
        arr[i] = arr[i+1];
    arr[i] = temp;
}
void printArray(int arr[], int size)
{
    int i;
    for(i = 0; i < size; i++)
        printf("%d ", arr[i]);
}
int main()
{
    int arr[] = {3, 22, 23, 14, 55, 7};
    int i;
    for (i = 0; i < 3; i++)
        doAction(arr, 6);
    printArray(arr, 6);
    getchar();
    return 0;
}
```