

// Serial No - 1

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int i = 5 ;
```

```
    for(;i--;) 
```

```
    {
```

```
        printf("%d",i);
```

```
    }
```

```
    return 0;
```

```
}
```

// Serial No – 2

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int i = 5 ;
```

```
    while(i>2) 
```

```
    {
```

```
        printf("%d %d\n",i,i*i);
```

```
        i--;
```

```
    }
```

```
    return 0;
```

```
}
```

// Serial No – 3

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int i = 5 ;
```

```
    do
```

```
    {
```

```
        printf("%d\n",i);
```

```
    }while(i-5);
```

```
    return 0;
```

```
}
```

```
// Serial No – 4
```

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int n = 36 , i = 1;
```

```
    for(i=1;i*i<=n;i++)
```

```
    {
```

```
        if(n%i==0)
```

```
        {
```

```
            printf("%d\n",i);
```

```
            if(n/i!=i) printf("%d\n",n/i);
```

```
        }
```

```
    }
```

```
    return 0;
```

```
}
```

```
// Serial No – 5

#include <stdio.h>

int main()
{
    int i = 1;

    for(i='a';i<='z';i++)
    {
        switch(i)
        {
            case 'a' : printf("%c is a vowel.\n",(char)i);
                        break;

            case 'e' : printf("%c is a vowel.\n",(char)i);
                        break;

            case 'i' : printf("%c is a vowel.\n",(char)i);
                        break;

            case 'o' : printf("%c is a vowel.\n",(char)i);
                        break;

            case 'u' : printf("%c is a vowel.\n",(char)i);
                        break;

            default : printf("%c is a consonant.\n",(char)i);
                        break;

        }
    }

    return 0;
}
```

// Serial No – 6

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int i = 1 ;
```

```
L: printf("%d",i);
```

```
    i=i+1;
```

```
    if(i<=5) goto L ;
```

```
    return 0;
```

```
}
```

// Serial No – 7

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int i , j , x = 0 ;
```

```
    for(i=0;i<3;i++)
```

```
    {
```

```
        for(j=0;j<i;j++)
```

```
        {
```

```
            switch(i+j-1)
```

```
            {
```

```
                case 1 : x+=3;
```

```
                    break ;
```

```
                case -1 : x+=1;
```

```
                    break ;
```

```

        case 0 : x-=2;

            break ;

        default : x+=1;

    }

}

}

printf("%d",x);

return 0;

}

```

// Serial No – 8

```
#include <stdio.h>
```

```
int main()
```

```

{

    int i , j , x = 0 ;

    for(i=1;i<=100;i++)

    {

        while(i%2) i/=2;

        if(i<10) break ;

    }

    printf("%d",i);

    return 0;

}

```

// Serial No – 9

```
#include <stdio.h>
```

```
int sum(int a,int b)
```

```

{
    return a+b ;
}

int main()
{
    int a = 10 , b = 20 ;

    printf("%d\n",sum(a,b));

    return 0;
}

// Serial No – 10

#include <stdio.h>

int max(int a,int b)
{
    if(a>b) return a;

    else return b ;
}

int min(int a,int b)
{
    if(a<b) return a;

    else return b ;
}

int main()
{
    int a = 10 , b = -20 , c = 40 , t ;

    t = max(a,b);

```

```
t = max(t,c);  
printf("Maximum Value : %d\nMinimum Value : %d\n",t,min(min(a,b),c));  
return 0;  
}
```