

## ARRAYS

Q. To wap to count how many years are leap years in an array of ten years.

```
∴ #include <stdio.h>
   #include <conio.h>
   int main()
```

```
   {
     int array[10];
     int i, leapctr=0;
```

// Input 10 years in array

```
   for(i=0; i<10; i++)
```

```
   {
     printf("In Enter year");
     scanf("%d", &array[i]);
```

```
   }
```

```
// check years
for (i=0, i<10; i++)
    if (array[i] % 4 == 0 && array[i] % 100 != 0)
        leapctr++;
    else
        if (array[i] % 400 == 0)
            leapctr++;
}
printf("total leap year=%d", leapctr);
getch();
return 0;
}
```

Q. To wap to input 100 numbers in an array and count how many of them are divided by five.

```
:-
#include <stdio.h>
#include <conio.h>
int main()
{
    int array[100];
    int i, nctr=0;
```

// Input 100 numbers in array

```
for (i = 0; i < 100; i++)  
    printf ("\n Enter number");  
scanf ("%d", &array[i]);
```

```
for (i = 0, i < 100; i++)  
    if (array[i] % 5 == 0)  
        cntx++;
```

```
printf ("\n total divided number by five = %d",  
        cntx);  
getch();  
return 0;
```

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