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5. Fibonacci Number

```
# include <stdio.h>
int main(){
int n;
Printf(" Enter a Number:");
Scanf("%d", &n);
int F[n+1];
F[0] = 0;
F[1] = 1;
 int i;
for(i=2; i<=n; i++)
 F[i] = F[i-2] +F[ i-1];

 printf(" Fibonacci number; %d\n", F[n]);
   return 0;
   }
```

6. Last Fibonacci Number

```
#include <stdio.h>
int main(){
int n;
printf("Enter a Number:");
scanf("%d", &n);
int F[n+1];
F[0] = 0;
F[1] = 1;
int i;
for (i=2; i<=n; i++)
F[i] = F[i-2] + F[i-1];
printf("Fibonacci number: %d\n", F[n]);
return 0;
}
```

7. GCD

```
# include <stdio.h>
  int get_fibonacci_last_digit (long long n){
  int first = 0;
  int second = 1;

  int res;
  int i;
 for (i = 2; i <= n; i++){
      res =(first + second) % 10;
      first = second;
  }
   return res;
}
int main(){
int n;
scanf ("%d", &n);
int c = get_ fibonacci_ last_ digit (n);
printf (" Last Number: %d", c);
return 0;
}
```

8. LCM

```
# include <stdio.h>
int main (){
   int n1, n2, min;
   printf ("Enter two positive integers:");
   scanf ("%d %d", &n1 :&n2);

   min = (n1 > n2) ? n1 : n2;

   while (1) {
      if (min % n1 == 0 && min n2 == 0){
         printf (" The LCM of %d and %d is %d.",
                                   n1, n2, min);

         break;
      }
      ++ min;
   }
   return 0;
}
```