

1) Functions:

```
void mulDK (int d , int k[1000] , int Ks, int ss[1000])
Take data and multiply it with key and save result return in ss array.

void mulEK (int d[1000] , int k[1000] , int Ks, int ss[1000])
Take array of data and multiply it with array of key and save result return in ss array.

void sumAB (int x , int A[1000] , int B[1000] , int AB[1000])
Take to arrays and sum them in one array .

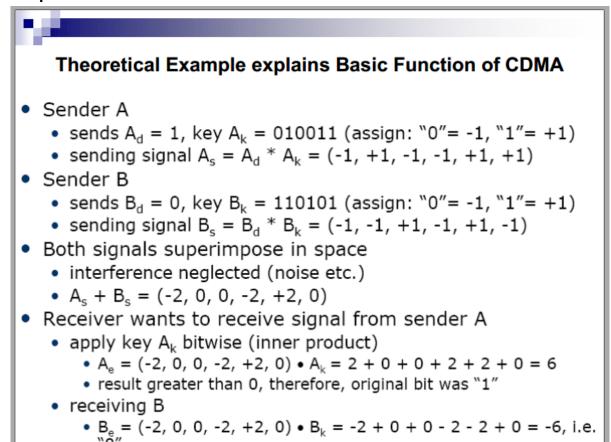
int sumX(int x , int X[1000])
Take array and sum the first x element in it.

void assign (string S , int s0 , int s1 , int SS[1000])
Take string and mapped it with value of 0 and 1 and return result in SS array.

void printarr(int x , int X[1000])
to print array on console to test .

int main ()
the main function take input from user and use above function to solve CDMA.
```

2) Example:



```
C:\Users\Manona\Desktop\CDMA\Debug\CDMA.exe
Sender A :
Enter the value of 0 and 1
Enter Ak
010011
Enter Ad
       Sender B:
Enter the value of 0 and 1
Enter Bk
110101
Enter Bd
Both signals superimpose in space
As + Bs = -2 0 0 -2 2 0
       Receive signal from sender A :
Original bit was 1
       Receive signal from sender B:
Original bit was 0
```