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Course - BCA Section - C
Sem - 6
Subject - Information security and cyber laws

3 security aspects of the google account.

① Go to security checkup to get personalized security recommendation for your google account, including add or update account recovery options. Block someone from using your account without your permission Recover your account if you're ever locked out. Joshi

② Step Verification helps prevent a hacker from getting into your account, even if they steal your password Security keys, google prompts, update your software of your browser, operating it regularly.

③ Use unique strong password like (*1230Ab#1? It's risky to use same password on multiple sites If password from one site hacked can be used to hack other sites too.

OTP generation code

```
#include <time.h>
#include <stdio.h>
#include <stdlib.h>
int main()
{
 int length;
 int num;
 int temp;
 Printf("Enter length of password:");
 Scanf("%d", &length);
 Printf("Enter no. of password you need:");
 scanf("%d", &num);
 Srand((unsigned int) time(0) + getpid());
 while(num--)
 {
   temp = length;
   Printf("\n");
   while(temp--)
   {
   fputchar( rand()%56+65);
   Srand(rand());
   }
   temp = length;
   }
   fprintf("\n");
   return exit_Success;
   }
```

3
```
#include<stdio.h>
#include <string.h>
int main()
{
  char msg[] = "The crazy programmer";
  char key[] = "HELLO";
  int msglen=strlen(msg), keylen=strlen(key), i, j;
  char newkey[msglen], encryptedmsg[msglen], decrypted
                msg[msglen];
  for(i=0; j=0; i< msglen; ++i, ++j){
  if(j==keylen)
    j=0;
  newkey[i]=key[j];
  }
  newkey[i]='\0'
  for(i=0; i< msglen; ++i)
  encryptedmsg[i]=((msg[i]+newkey[i])%26)+'A';
  encryptedmsg[i]='\0';
  for(i=0; i<msglen; ++i)
  decrypted Msg[i]=(((encryptedmsg[i]-newkey[i])+26
                %26)+'A';
  decryptedmsg[i]='\0';
  Printf("original msg: %s", msg);
  Printf("\n key: %s", key);
  Printf["\n New generated key: %s", new key);
  Printf("\n Encrypted message: %s", encryptedmsg);
  Printf(" \n encrypted message: %s", decryptemsg);
  return 0;
}
```