Name - Sonal

University Roll NO - 1121145

Course - BCA

Semester - 6th

Section - C

Paper Name - Information Security ~~Practical~~ & Cyber law Practical

Enrollment No - PV-18210145

Answer - 1

Security aspect of Google account :

(1) Control what others see about Google services:

step 1 : Log in to your account

step 2 : Go to personal info option

step 3 : click on About me.

step 4 : You have many option to change like for Date of birth, Gender etc.

step 5 : Apply privacy on your personal details,

step 6 : Privacy Applied successfully.

(2) see control and delete the info in your google account :

step 1 : Log in to your account

Go to dashboard.

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Step 3: Now, you can see some boxubar services like gmail, activity data like Location history etc.

Step 4: You have also more ways to control your data like security check up.

Step 5: Now, make some changes to your google services.

Step 6: changes done successfully.

(3) Check For Account Recovery:

Step 1: Log in to your google account

Step 2: Go to security option.

Step 3: click on Recovery Phone & & Email one by one.

Step 4: First You have to sign in again to your Google Account for verification.

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Answer - 3

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

int main()
{
    char msg[] = "Cryptography";
    char key[] = "Monarchy";
    int msgLen = strlen(msg), keyLen = strlen(key), i, j;

char newKey[msgLen], encryptedMsg[msgLen], decryptedMsg[msgLen];

// generating new key
for(i=0, j=0; i < msgLen; ++i, ++j){
  if(j == keyLen)
      j=0;
  newKey[i] = key[j];
```

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```
}
    newkey[i] = '\0';
    // encryption
    for (i=0 , i< msgLen ; ++i)
        encryptedMsg[i] = ((msg[i] + newkey[i]) % 26) + 'A';
        encryptedMsg[i] = ((msg[i] + newkey[i]
        encryptedMsg[i] = '\0';
    // decryption.
        for (i=0 ; i< msgLen ; ++i)
        decryptedMsg[i] = ((encryptedMsg[i] - newkey[i]) +
                                26) % 26) + 'A';
    decryptedMsg[i] = '\0';
    Printf (" Original Message : %s", msg);
    Printf (" In key : %s, key);
    Printf (" In New Generated key : %s ", newkey);
    Printf (" In Encrypted Message : %s", encryptedMsg);
    Printf (" In Decrypted Message : %s, decryptedMsg);
    return 0;
}
```

Final

Answer – 5

Program for Caesar Cipher in C.

Encryption:

```
#include<stdio.h>
int main()
{
  char message[100], ch;
  int i, key;
  Printf("Enter a message to encrypt: ");
  Gets(message);
  Printf("Enter key:");
  Scanf("%d", &key);
  for(i=0; message[i] != '\0'; ++i){
  ch = message[i];
  if(ch>='a' && ch<='z'){
  ch= ch + key;
  if(ch > 'z'){
  ch = ch - 'z' + 'a' - 1;
  }
  message[i] = ch;
}
```

final

```
else if (ch >= 'A' && ch <= 'Z') {
    ch = ch + key;
    if (ch > 'Z') {
    ch = ch - 'Z' + 'A' - 1
    }
    message[i] = ch;
}
}
printf("Encrypted message: %s", message);
return 0;
}
```

Final

Program for Caesar Cipher in C.

Decryption:

```
#include<stdio.h>
int main()
{
    char message[100], ch;
    int i, key;
    Printf("Enter a message to encrypt: ");
    Gets(message);
    Printf("Enter key:");
    Scanf("%d", &key);
    for(i=0; message[i] != '\0'; ++i){
    ch = message[i];
    if(ch>='a' && ch<='z'){
    ch = ch - key;
    if(ch < 'a'){
    ch = ch + 'z' - 'a' + 1;
    }
    message[i] = ch;
}
```

final

```
else if (ch >= 'A' && ch <= 'Z') {
    ch = ch - key;
    if (ch > 'Z') {
    ch = ch + 'Z' - 'A' + 1
    }
    message[i] = ch;
}
}
printf("Encrypted message: %s", message);
return 0;
}
```

Final