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TERMINAL ··· → Code + ✓ □ 🛍 〈
 PROBLEMS
           OUTPUT
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights r
eserved.
Install the latest PowerShell for new features an
d improvements! https://aka.ms/PSWindows
PS C:\Users\princ\OneDrive - NIT Durgapur\CSC01\C
SS 51 LAB\Assi 4> cd "c:\Users\princ\OneDrive - N
IT Durgapur\CSC01\CSS 51 LAB\Assi 4\" ; if ($?) {
 gcc a1.c -o a1 } ; if ($?) { .\a1 }
Enter decimal number: 32
Equivalent binary number is: 100000
PS C:\Users\princ\OneDrive - NIT Durgapur\CSC01\C
SS 51 LAB\Assi 4>
```

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```
C a1.c
                C a2.c
                                                  C a4.c
                            X C a3.c
                                                                       Question 2
C a2.c > ☆ main()
                            Name: PRINCE MAURYA
               Roll no.:21D80005
                                          Mobile no.:9453122989
       #include<stdio.h>
       int main(){
          int binval, decval=0, base = 1, rem;
          printf("Enter the binary number: ");
          scanf("%d", &binval);
         while (binval != 0){
            rem = binval % 10;
            decval = decval + rem * base;
            base = base * 2;
 11
 12
            binval = binval / 10;
          //printf("Equivalent hexadecimal value: %x", decval);
          int rmdr,i=0,j;
          char N[20];
          while(decval!=0){
             rmdr=decval%16;
             if(rmdr<10){
                 rmdr=rmdr+48;
             else{
                 rmdr=rmdr+55;
             N[i]=rmdr;
             i++;
             decval=decval/16;
         printf("Equivalent hexadecimal value:");
 29
          for(j=i-1;j>=0;j--){
             printf("%c",N[j]);
          return 0;
```

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 PROBLEMS
           OUTPUT
SS 51 LAB\Assi 4>
                                                     \square
               > cd "c:\Users\princ\OneDrive - N
IT Durgapur\CSC01\CSS 51 LAB\Assi 4\" ; if ($?) {
gcc a2.c -o a2 } ; if ($?) { .\a2 }
Enter the binary number: 1011010
Equivalent hexadecimal value:5A
PS C:\Users\princ\OneDrive - NIT Durgapur\CSC01\C
SS 51 LAB\Assi 4>
```

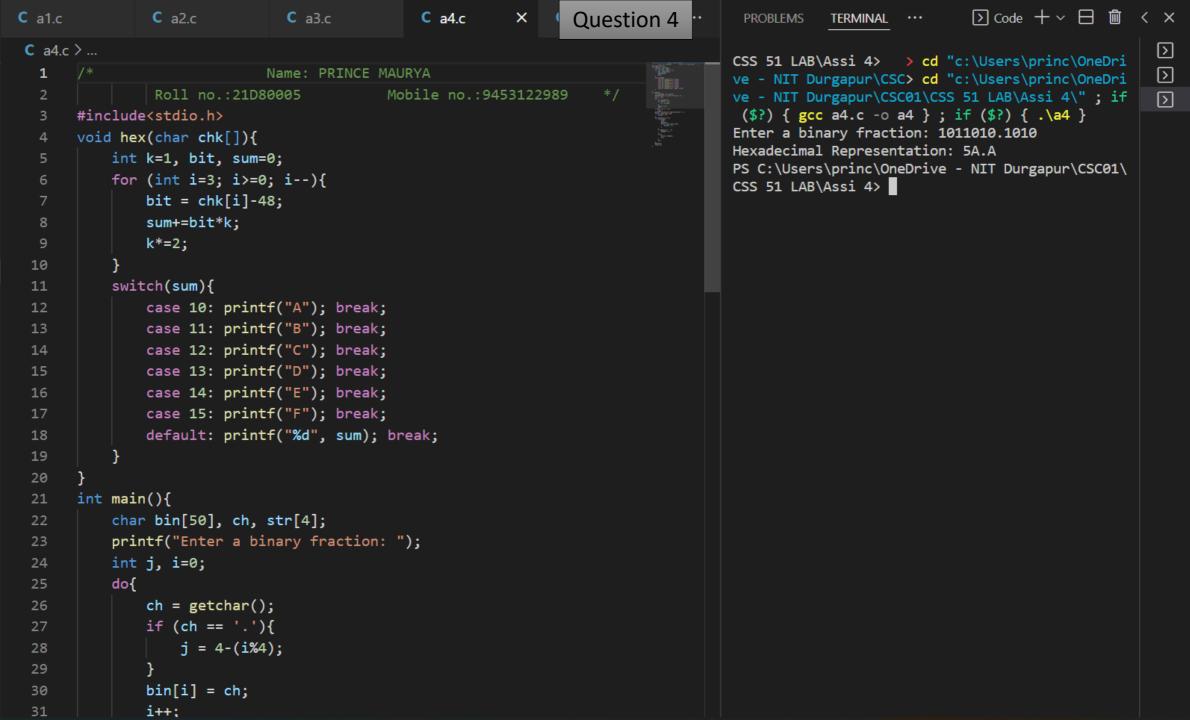
```
C a3.c
                                                                       Question 3 BLEMS
C a1.c
                 C a2.c
                                                   C a4.c
C a3.c > ☆ main()
                             Name: PRINCE MAURYA
                Roll no.:21D80005
                                           Mobile no.:9453122989*/
       #include<stdio.h>
       int main(){
           char oct[100];
           int i=0;
           printf("Enter octal fraction number : ");
  8
           scanf("%s",oct);
           printf("Equivalent binary fraction number is : ");
 11
           while(oct[i]){
 12
               switch(oct[i])
                   printf(".");break;
                   case '0':printf("000");break;
                   case '1':printf("001");break;
                   case '2':printf("010");break;
                   case '3':printf("011");break;
                   case '4':printf("100");break;
                   case '5':printf("101");break;
                   case '6':printf("110");break;
                   case '7':printf("111");break;
                   default:printf("\n Invalid entered %c",oct[i]);
              i++;
           return 0;
```

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OUTPUT

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} while (ch != '\n');
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33
             i=0;
         printf("Hexadecimal Representation: ");
34
         for(int k=0; k<4; k++){
36
             str[k] = '0';
         while(bin[i]!='\n'){
38
             if (j==4){
40
                 j=-0;
                 hex(str);
                 for(int k=0; k<4; k++){
                     str[k] = '0';
44
46
             if (bin[i] == '.'){
                 printf(".");
48
             else{
50
                 str[j] = bin[i];
                 j++;
             i++;
54
         hex(str);
56
         return 0;
57
```