|  |  |  |  |
| --- | --- | --- | --- |
| 1. | a) | Write a code for binary search using switch statement. |  |
|  | b) | Write down the difference between   1. while & do-while 2. break & continue |  |
|  | c) | Convert the following if else segment using conditional statement  if(n>0)  {  if (a>b)  z=a;  }  else z=b; |  |
| 2. | a) | Replace the following ***for*** loop with ***do-while*** loop  for(i=0, j=strlen(s)-1;i<j;i++,j--)  c=s[i], s[i]=s[j], s[j]=c; |  |
|  | b) | Compare between   1. **macro** & **function** 2. **recursion** & **loop** |  |
|  | c) | Replace the following for loop with recursion  #include <stdio.h>  #include <stdlib.h>  int main()  {  printf("Hello world!\n");  int n,i,sum=0;  printf("please enter the value of N\n");  scanf("%d",&n);  for(i=0; i<=n; i++)  {  sum += i;  }  printf("The summation of ‘0’ to ‘N’ is: %d \n",sum);  return 0;  } |  |