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ADS Lab - 9

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IBM19C5411

Program to implement functions
of dictionary using
Void Hashfunction::insert() Hashing

{

char ans[10], n[10], temp[10];

long k, temp;

int i, hi, cnt, flg=0;

do

{

if (cnt >= 10)

{

cout << "Hash table is Full";

break;

}

cout << "\n It Enter a telephone No: ";

cin >> k;

cout << "\n It Enter a client name: ";

cin >> n;

hi = k % 10;

if (h[hi].key == -1)

{

h[hi].key = k;

strcpy(h[hi].name, n);

}

else

{

TA

```
if (h[hi].key % 10 != hi)
```

```
{
```

```
temp = h[hi].key;
```

```
strcpy (temp, h[hi].name);
```

```
h[hi].key = K;
```

```
strcpy (h[hi].name, n);
```

```
for (i = hi + 1; i < 10; i++)
```

```
{
```

```
if (h[i].key == -1)
```

```
{
```

```
h[i].key = temp;
```

```
strcpy (h[i].name, temp);
```

```
flag = 1;
```

```
break;
```

```
}
```

```
}
```

```
for (i = 0; i < hi && flag == 0; i++)
```

```
{
```

```
if (h[i].key == -1)
```

```
{
```

```
h[i].key = temp;
```

```
strcpy (h[i].name, temp);
```

```
break;
```

```
}
```

```
}
```

```
}
```

```
else
```

```
{
```

```

for(i=0; i<h; i++)
{
    if(h[i].key == -1)
    {
        h[i].key = K;
        strcpy(h[i].name, n);
        flag = 1;
        break;
    }
}

```

```

}

```

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}

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}

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}

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}

```

```

}

```