```
#include<stdio.h>
#define size 7
int arr[size];
void init()
int i;
for(i = 0; i < size; i++)
arr[i] = -1;
}
void insert(int value)
int key = value % size;
if(arr[key] == -1)
arr[key] = value;
printf("%d inserted at arr[%d]\n", value,key);
else
printf("Collision : arr[%d] has element %d already!\n",key,arr[key]);
printf("Unable to insert %d\n",value);
}
void del(int value)
int key = value % size;
if(arr[key] == value)
arr[key] = -1;
else
printf("%d not present in the hash table\n",value);
}
void search(int value)
int key = value % size;
if(arr[key] == value)
printf("Search Found\n");
else
```

```
printf("Search Not Found\n");
void print()
int i;
for(i = 0; i < size; i++)
printf("arr[%d] = %d\n",i,arr[i]);
int main()
{
init();
insert(10); //key = 10 % 7 ==> 3
insert(4); //key = 4 % 7 ==> 4
insert(2); //key = 2 % 7 ==> 2
insert(3); //key = 3 % 7 ==> 3 (collision)
printf("Hash table\n");
print();
printf("\n");
printf("Deleting value 10..\n");
del(10);
printf("After the deletion hash table\n");
print();
printf("\n");
printf("Deleting value 5..\n");
del(5);
printf("After the deletion hash table\n");
print();
printf("\n");
printf("Searching value 4..\n");
search(4);
printf("Searching value 10..\n");
search(10);
return 0;
```