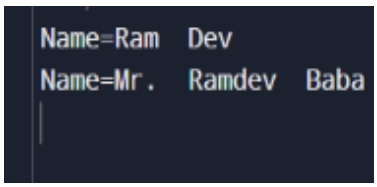
Name of Student : Kalpesh Naik **Date :-** 07/11/2023
Class : D4B **Roll No**. : 29

Program Objective : - Program to understand the concept of dynamic memory Allocation

```
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
int main(){
char  *name;
name=(char  *)malloc(11);
strcpy(name,"Ram  Dev");
printf("\nName=%s\n",  name);
name=(char  *)realloc(name,23);
strcpy(name,"Mr.  Ramdev  Baba");
printf("Name=%s\n",name  );
}
```



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Program Objective : - Program to understand the concept of dynamic memory Allocation

```
#include <stdio.h>
#include <stdlib.h>
struct name {
int a;
char c[30];
};
int main(){
struct name *ptr;
int i,n;
printf("Enter n: ");
scanf("%d",&n);
ptr=(struct name*)malloc(n*sizeof(struct name));
for(i=0;i<n;++i){
printf("Enter Name and Roll Number respectively %d: ",i+1);
scanf("%s%d",(ptr+i)->c, &(ptr+i)->a);
}
printf("\n\nDisplaying Infromation:\nName\tRoll Number\n\n");
for(i=0;i<n;++i)
printf("%s\t%d\t\n",(ptr+i)->c,(ptr+i)->a);
return 0; }
```

```
/tmp/1HYMKJNstw.o
Enter n: 4
Enter Name and Roll Number respectively 1: kalpesh
   29
Enter Name and Roll Number respectively 2: amey 31
Enter Name and Roll Number respectively 3: kavish 7
Enter Name and Roll Number respectively 4: dheeraj
   27
Displaying Infromation:
Name    Roll Number

kalpesh 29
amey    31
kavish  7
dheeraj 27
```