

ACCEPTING INPUT FROM USER IN STRUCTURE

```
#include <stdio.h>
struct Student
{
  int roll;
  char grade;
  float per;
};
  int main()
{
    struct Student S;
    printf("Enter roll,grade and per:");
    scanf("%d %c %f",&S.roll,&S.grade,&S.per);
    printf("Roll=%d,Grade=%c,Per=%f",S.roll,S.grade,S.per);
    return 0;
}
```

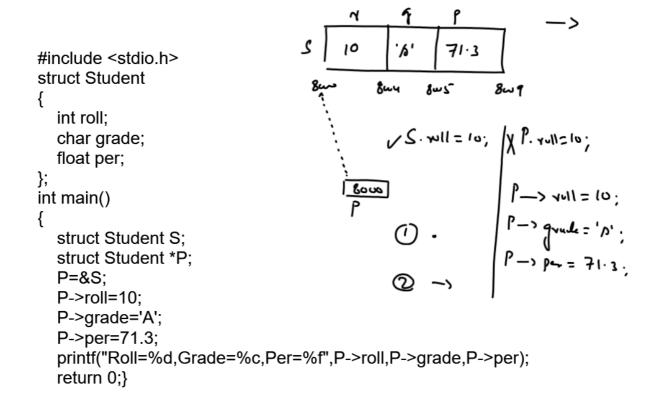
COPYING ONE STRUCTURE VAR TO ANOTHER

```
#include <stdio.h>
struct Student
{
  int roll;
  char grade;
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                                               'n'
                                        lΟ
  float per;
};
int main()
  struct Student S,P;
  printf("Enter roll,grade and per:");
  scanf("%d %c %f",&S.roll,&S.grade,&S.per);
  P.roll=S.roll;
  P.grade=S.grade; or P=S:
  P.per=S.per;
  printf("Roll=%d,Grade=%c,Per=%f",S.roll,S.grade,S.per);
  return 0;
```

CREATING ARRAY OF STRUCTURE

```
#include <stdio.h>
struct Student
{
  int roll;
                                      2101
                                                            9018
                                                                   2821
  char grade;
  float per;
};
int main()
{
  struct Student S[3];
  int i:
  for(i=0;i<3;i++)
  printf("Enter roll, grade and per:");
  scanf("%d %c %f",&S[i].roll,&S[i].grade,&S[i].per);
  for(i=0;i<3;i++)
  printf("\n%d %c %f",S[i].roll,S[i].grade,S[i].per);
  return 0;
}
```

STRUCTURE AND POINTER



ACCEPTING INPUT FROM USER IN STRUCTURE USING POINTER

```
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                                                      J4·2
#include <stdio.h>
struct Student
  int roll;
  char grade;
  float per;
};
int main()
  struct Student S,*P;
  P=&S:
  printf("Enter roll,grade and per:");
  scanf("%d %c %f",&P->roll,&P->grade,&P->per);
  printf("Roll=%d,Grade=%c,Per=%f",P->roll,P->grade,P->per);
  return 0;
}
```

ACCESSING ARRAY OF STRUCTURE USING POINTER

```
#include <stdio.h>
struct Student
{
  int roll;
                                     ره) ک
  char grade;
                                                   SII
                                                          9018 5525
  float per;
                                                                   P+1=> P+1 x 9
};
int main()
  struct Student S[3],*P
  int i;
  P=S;
  for(i=0;i<3;i++)
  printf("Enter roll,grade and per:");
  scanf("%d %c %f",&(P+i)->roll,&(P+i)->grade,&(P+i)->per);
  for(i=0;i<3;i++)
  printf("\n\%d \%c \%f",(P+i)->roll,(P+i)->grade,(P+i)->per));
  return 0;
```

STRUCTURE AND FUNCTION

```
#include <stdio.h>
struct Student
  int roll;
  char grade;
  float per;
void display(struct Student);
int main()
{
  struct Student S;
  printf("Enter roll,grade and per:");
  scanf("%d %c %f",&S.roll,&S.grade,&S.per)
  display(S);
  return 0;
void display(struct Student P)
  printf("Roll=%d,Grade=%c,Per=%f",P.roll,P.grade,P.per);
}
```

