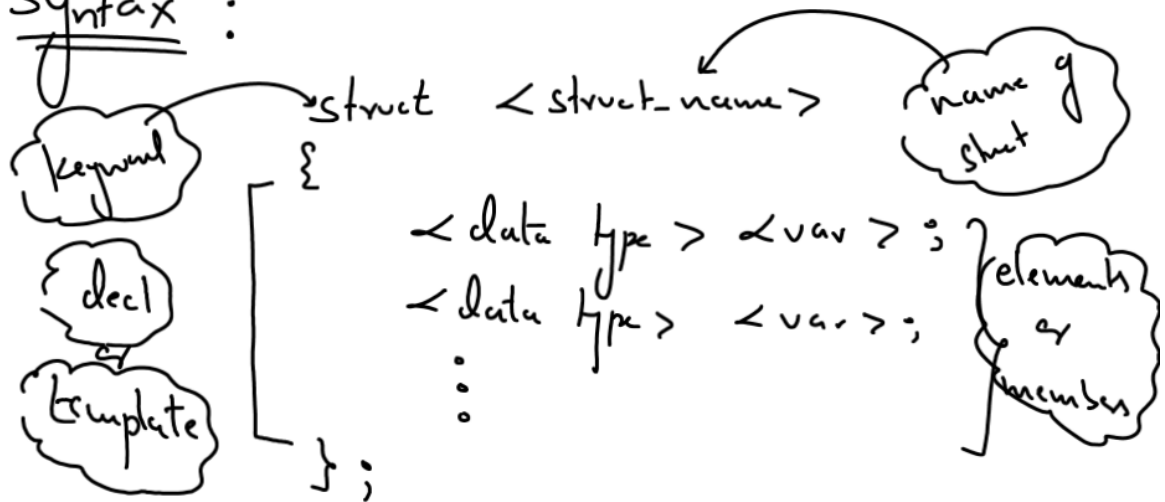


STRUCTURE (User Defined data type)

Syntax :



```
#include <stdio.h>
struct Student
```

```
{
```

```
    int roll;
```

```
    char grade;
```

```
    float per;
```

```
};
```

```
int main( )
```

```
{ struct Student
```

```
    S, roll=10;
```

```
    S;
```

```
    printf("%d %c %.1f", S.roll, S.grade, S.per);
```

```
    return 0;
```

roll	grade	per
10	'A'	71.3
6000	6004	6005

```
S.grade = 'A';
```

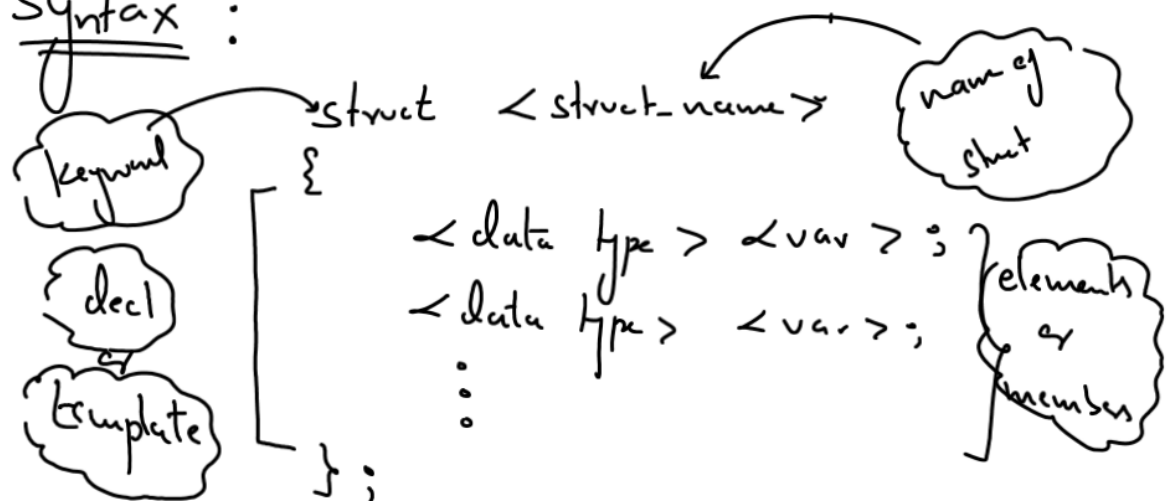
```
S.per = 71.3;
```

```

#include <stdio.h>
struct Student
{
    int roll;
    char grade;
    float per;
};
int main()
{
    struct Student S;
    S.roll=10;
    S.grade='A';
    S.per=71.3;
    printf("Roll=%d,Grade=%c,Per=%f",S.roll,S.grade,S.per);
    return 0;
}

```

Syntax :



①

```
struct Student
{
    int roll=10;
    char grade='A';
    float per=71.3;
};
// ERROR
```

②

```
struct Student
{
    int roll;
    char grade;
    float per;
}
// ERROR
```

Missing
Semi-colon

```
struct Student
{
    int roll;
    char grade;
    float per;
};
```

```
int main()
```

```
{
    Student S; // Error
    .....
}
```

missing
struct keyword!

```
#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;
}
```