

DAI #9

Sunday, June 7, 2026 10:56 AM

Switch s is (Advance topic)
1. Nested sw 2. clubbing.

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

```
int main()
```

```
{ int department; // 1, 2, 3  
  int year; // 1, 2, 3, 4
```

```
printf("In Enter your department");  
scanf("%d", &department);
```

```
printf("In Enter year: ");  
scanf("%d", &year);
```

```
switch (department)
```

```
{ case 1: printf("In IF partment");
```

```
  switch (year)
```

```
  { case 1: printf("In 1st year subjects: C, Basic Computer, Chemistry, M1"); break;
```

```
    case 2: printf("In 2nd year subjects: C++, Advance Computer, Physics, M2"); break;
```

```
    case 3: ——— break;
```

```
  }
```

```
  break;
```

```
case 2: printf("In CS department")
```

```
  switch (year)
```

```
  {
```

B.E/B.Tc

→ D. department (IF, CS, Mechanical)

→ year (1st, 2nd, 3rd) 1, 2, 3, 4

subjects

Syntax -

```
int a;
switch (a)
{
  case 1:
  case 2:
  case 3:
  case 4:
  case 5: printf("In a's value is between 1 to 5"); break;
  case 6:
  case 7:
  case 8:
  case 9:
  case 10: printf("In value is between 6 to 10"); break;
  default: printf("In ");
}
```

⇒ ⇒ ⇒

a = 1, 7, 15,

```
int a;
scanf("%d", &a);
if (a >= 1 && a <= 5)
  printf("a's value 1-5");
elseif (a >= 6 && a <= 10)
  printf("a's value 6-10");
else
  printf("value not in (1 to 10)");
```