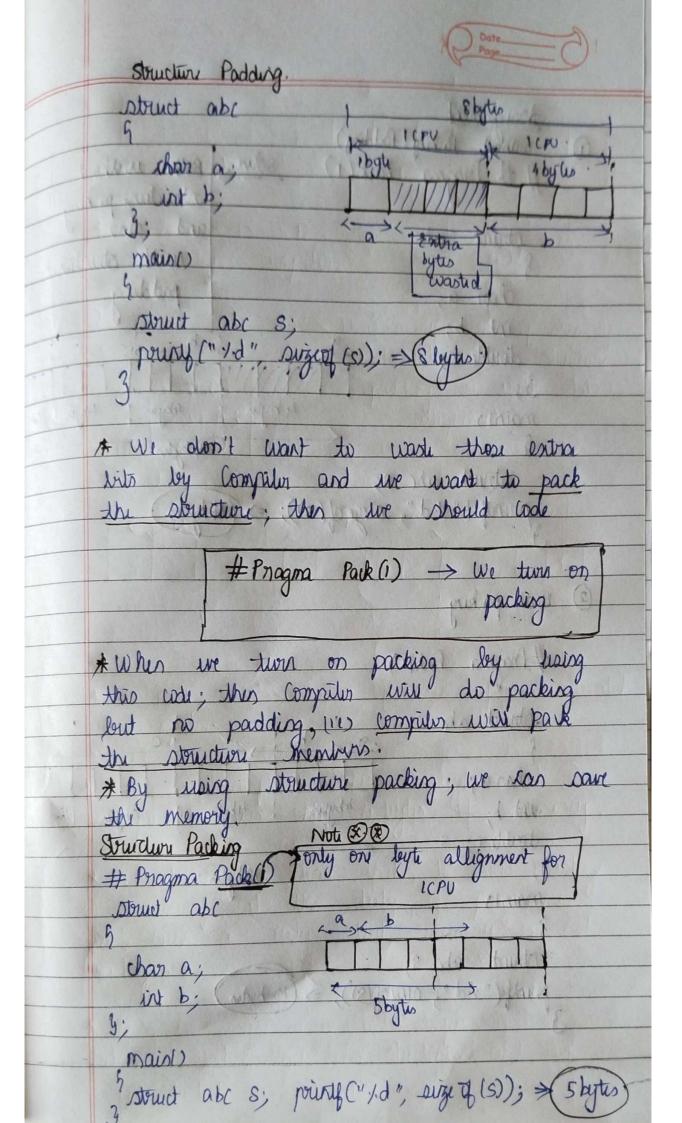
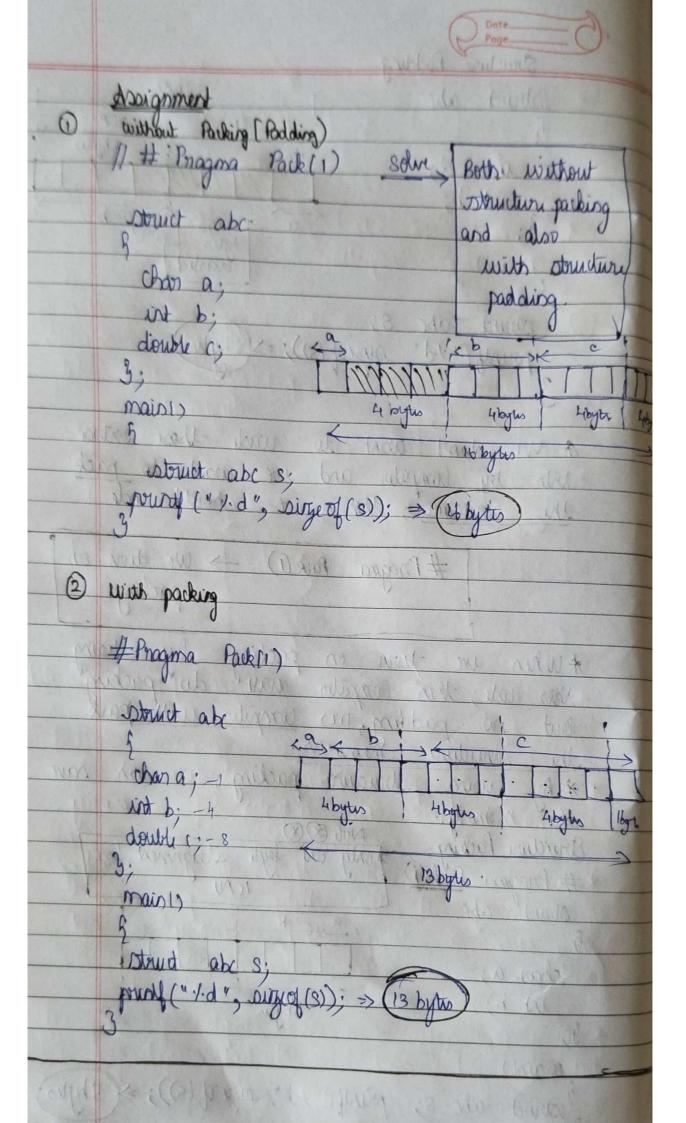
\*In structure padding; data allignment is done autometically by compiler to universe the speed and performance in penality of memory.

\*But what if we don't waste the memory and how not to waste memory?





```
#include <stdlib.h>
     /** 22-STRUCTURE PACKING IN C (1) **/
3
 4
     /* Structure Padding */
5
     struct abc
 6
7
      char a;
8
      int b;
9
     1:
10
    int main()
    ₽{
11
12
         struct abc s;
         printf("size of memory allocated for object s of structure abc is %d", sizeof(s));
13
14
         getch();
15
16
      /* Structure Packing */
    ₽/*#pragma pack(1)
17
18
     struct abc
19
20
      char a;
21
      int b;
22
23
     int main()
24
25
         struct abc s;
26
         printf("size of memory allocated for object s of structure abc is %d", sizeof(s));
27
         getch();
28
29
20
                                                                                           >
```

```
□ "D:\1. C C++NOTEBOOK\C LANGUAGE\C PROGRAMS\PART 5_Jennys Lectures\PART 8_JENNYS LECTURE_STRUCTURES\22_STR... — □ × size of memory allocated for object s of structure abc is 8
```

```
/** 22-STRUCTURE PACKING IN C (1) **/
3
      /* Structure Padding */
 4
    ⊟/*struct abc
5
 6
7
      char a;
8
      int b;
9
10
     int main()
11
12
         struct abc s;
         printf("size of memory allocated for object s of structure abc is %d", sizeof(s));
13
14
         getch();
15
     /* Structure Packing */
16
17
     #pragma pack(1)
18
     struct abc
19
20
      char a;
21
      int b;
22
23
     int main()
24
25
         struct abc s;
26
         printf("size of memory allocated for object s of structure abc is %d", sizeof(s));
27
         getch();
28
29
     I
30
```

```
■ *D:\1. C C++NOTEBOOK\C LANGUAGE\C PROGRAMS\PART 5_Jennys Lectures\PART 8_JENNYS LECTURE_STRUCTURES\22_STR... - □ × size of memory allocated for object s of structure abc is 5
```

```
1
      #include <stdio.h>
 2
      #include <stdlib.h>
      /** 23-STRUCTURE PACKING IN C (1) **/
 3
      /* Structure Padding */
 4
 5
     struct abc
 6
 7
      char a;
 8
      int b; double c;
 9
10
     int main()
11
12
         struct abc s;
13
         printf("size of memory allocated for object s of structure abc is %d", sizeof(s));
14
         getch();
15
      /* Structure Packing */
16
17
      #pragma pack(1)
18
    ⊟/*struct abc
19
20
      char a;
21
      int b; double c;
22
23
     int main()
24
25
         struct abc s;
26
         printf("size of memory allocated for object s of structure abc is %d", sizeof(s));
27
         getch();
28
20
```

□ "D:\1. C C++NOTEBOOK\C LANGUAGE\C PROGRAMS\PART 5\_Jennys Lectures\PART 8\_JENNYS LECTURE\_STRUSIZE of memory allocated for object s of structure abc is 16

```
1
     #include <stdio.h>
     #include <stdlib.h>
2
3
    /** 23-STRUCTURE PACKING IN C (1) **/
     /* Structure Padding */
4
    ⊟/*struct abc
 5
 6
7
      char a;
8
      int b; double c;
9
10
     int main()
11
12
         struct abc s;
13
         printf("size of memory allocated for object s of structure abc is %d", sizeof(s));
14
         getch();
15
   /* Structure Packing */
16
    #pragma pack(1)
struct abc
17
18
19
20
     char a;
21
     int b; double c;
22
    int main()
23
24
25
         struct abc s;
26
         printf("size of memory allocated for object s of structure abc is %d", sizeof(s));
27
         getch();
28
```

```
■ "D:\1. C C++NOTEBOOK\C LANGUAGE\C PROGRAMS\PART 5_Jennys Lectures\PART 8_JENNYS LECTURE_STRUC
```