```
Day18_POll_Questions
1.
#include <stdio.h>
#include <string.h>
struct demo
{
    unsigned int _1:6;
    signed int 2:7;
    unsigned int 3:6;
};
int main(void )
{
    typedef struct demo DEMO;
    DEMO d;
    _{d._1} = 88;
    d. 2 = 77;
    _{d._1} = 58;
    printf( " %d %d %d \t",_d._1 ,_d._2, _d._3 );
    _{d._1} = 92;
    _d._2 = 96;
    d. 2 = 99;
    printf( " %d %d %d \n",_d._1 ,_d._2, _d._3 );
    return 0;
A. 57 -50 -1 29 -28 -1
B. 58 -50 0 28 -28 0
C. 58 -51 0 28 -29 0
D. 57 -51 -1 28 -27 -1
E. Error
Answer: C
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                                                                1
```

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2.
#include<stdio.h>
#pragma pack(1)
typedef union result
    float per;
    char grade[4];
RESULT:
typedef struct student
    int rollno:
    short int std;
    char name[12];
    char div;
    RESULT res:
STUDENT:
typedef struct node
    struct test *prev;
    STUDENT data:
    struct test *next:
}node t;
int main(void)
{
    printf("\n size of node=%d", sizeof(node_t));
    return 0;
what will be the size of struct node? Note: consider 64 bit compiler
A. size of node=44
B. size of node=43
C. size of node=40
D. size of node=39
E. ERROR
Answer: D
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```

```
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3.
#include<stdio.h>
#pragma pack(1)
struct time
    int ss:9:
    int mm:8;
    int hh:6;
};
int main(void)
    struct time t1:
    printf("%d %d", sizeof(t1), sizeof(t1.ss)+ sizeof(t1.mm) );
    return 0;
}
A. 3 2
B. Compiler error
C. Runtime error
D. 42
E. 43
Answer: B
4.
#include <stdio.h>
int main(void)
{
    FILE *fp = stdout;
    char str[] = "\?\?!\n?";
    if( (fp=fopen("sunbeam.txt", "w"))!=NULL)
         fprintf(fp,"%s", str);
    else
         fputs(str, fp);
    fclose(fp);
    return 0;
}
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```

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```
A. Compile Time Error
B. Run Time Error
C. ??!
D. \?\?!\n?
E. ??!
  ?
Answer: E
5.
#include <stdio.h>
int main(void)
    FILE *fp = stdout;
    char str[] = "\\t SunBeam \\0 \\n \0 Pune";
    if( (fp=fopen("sunbeam.txt", "w"))!=NULL)
         fprintf(fp,"%s", str);
     else
         fprintf(fp, "%s", "unable to write in file");
    fclose(fp);
     return 0;
A. \t SunBeam \0 \n
B. \\t SunBeam \\0 \\n \0 Pune
C. \t SunBeam \0 \n \0 Pune
D. Error
E. SunBeam \\0
   \0 Pune
Answer: A
```