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Day17_POll_Questions
1.
#include<stdio.h>
struct emp
{
    int age;
    struct emp *ptr;
};
int main(void)
    struct emp var={40,NULL};
    struct emp *ptr = &var;
    ptr->ptr = ptr;
    printf("%d %d %d",ptr->ptr->age,(*ptr).ptr->age, var.ptr->age);
    return 0;
A. 40 40 40
B. 40 NULL 40
C. 0 0 0
D. Garbage Garbage
E. Error
Answer: A
2.
typedef struct date
    short int dd;
    short int mm:
    short int yy;
    typedef struct time
         short int hr;
         short int min;
         short int sec;
    }TIME;
} DATE;
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int main( void )
{
    DATE d1 = \{16,8,2023,9,0,0\};
    const struct date d2=d1:
    printf("date %d-%d-%d @ %d:%d:%d am\n",d2.dd,d2.mm, d2.yy,
                             d2.TIME.hr, d2.TIME.min, d2.TIME.sec );
    return 0;
}
A. date 16-8-2023 @ 9:0:0 am
B. date 16-8-2023 @ 9:0:0 pm
C. Compile time error
D. Run time error
E. date garbage values @ garbage values
Answer: C
3.
#include<stdio.h>
struct demo
{
    signed d1:2;
    unsigned d2:3;
    signed d3:4;
};
int main(void)
{
    struct demo ds:
    ds.d1 = 1; ds.d2 = 3; ds.d3 = 9;
    printf("%d %d %d", ds.d1,ds.d2,ds.d3);
    ds.d1 = 2; ds.d2 = 7; ds.d3 = 10;
    printf(" %d %d %d", ds.d1,ds.d2,ds.d3);
    return 0:
}
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```

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A. 1 3 9 2 7 10
B. 13-7-27-6
C. Error
D. 132-273
E. 132273
Answer: B
4.
#include<stdio.h>
typedef struct demo
    unsigned bit1:1;
    signed bit2:2;
    signed bit3:3;
    unsigned bit4:2;
} DEMO;
int main(void)
{
    DEMO d1;
    struct demo d2;
    printf("\n %d %d",sizeof(d1),sizeof(d2));
    return 0;
A. 1 1
B. 22
C. 88
D. 10 10
E. 44
Answer: E
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```

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Day17_POll_Questions
5.
#include<stdio.h>
struct Demo
    int num1:4;
    unsigned int num2:3;
    int num3:2;
};
int main(void)
{
    struct Demo d1;
    d1.num1=5;
    d1.num2=6;
    d1.num3 = -1:
    printf("%d %d %d",d1.num1,d1.num2,d1.num3);
    printf(" ");
    d1.num1=10;
    d1.num2=9:
    d1.num3=3;
    printf("%d %d %d",d1.num1,d1.num2,d1.num3);
    return 0;
A 56-1-61-1
B. 560-610
C. 56-1-600
D. 5 6 -1 -6 -6 -1
E. 56-1-51-1
Answer: A
```