

1. Mark correct declarations. (the ones which do not generate compiler errors)

☐ int L, Long u;	☐ char "A", "=26";
☐ char A[3]="0GU";	☒ char ogu='6',0GU='E';
☒ float ____1=1;	☐ b=2; long double LD[1];
☒ float a[1],b[1];	☒ int i='i';
☒ char o[3][2]={{"A"}};	☐ char u[4,2]={A,B};

2. What is the output?

```
int i;
for(i=1;i<32;i*=2) printf("%d",i);
```

124816

3. What is the output?

```
int i=45; float f=4.611;
printf("%5.1f%4d",f,i);
```

4.6 45

4. What is the output?

```
int foo(int a){ printf("%d+",a); return --a; }
int main(){ int b=4;
    b=foo(b); foo(foo(b)); foo(b);
    return 0; }
```

4+3+2+3+

5. What is the output?

```
int i=4; float f=4;
while(++i<10) printf("%d %3.1f",++i,f); f+=1.2;
```

6 4.08 4.010 4.0

6. What is the output?

```
int i=1;
do{ printf("%d",i);
    i=(i<1)|1;} while(i<20);
```

13715

7. What is the output?

```
char A[]={"ABCabc"}; int i=0;
while(A[i])
    printf("%c",A[i++]+1);
```

BCDbcd

8. What is the output?

```
int i,k;
for(i=1;i<3;i++)
    switch(i){
        case 4: printf("+");
        default: for(k=i;k<4;k++) printf("%d%d",i,k); }
```

1112132223

9. What is the output?

```
int A[6]={1,2,3,4,5},i=0;
for(;A[i];){
    if(A[i++]>6) continue;
    if(!A[i]) break;
    printf("%d%d",i,A[i]);
}
```

12233445