Repetition 練習 **Name:_____** **Date: 2011/12/21**

1. 下列程式片段執行結果為何？ **ANS:_____**

```
total = 0;
for ( i = 1; i <= 10; i+= 1 )
    total += 1;
```

2. 下列程式片段執行結果為何？ **ANS:_____**

```
total = 1;
for ( count = 1; count <= 10; count += 1 )
    total = total   *   2;
```

ANS:_____

3. 下列程式片段執行結果為何？ **ANS:_____**

```
total = 0;
for ( i = 10; i <= 15; i += 1 )
    total += i;
```

4. 下列程式片段執行結果為何？ **ANS:_____**

```
total = 50;
for ( i = 1; i <= 10; i += 1 )
    total -= i;
```

5. 下列程式片段執行結果為何？ **ANS:_____**

```
total = 1;
for ( icnt = 1; icnt <= 8; icnt++)
    total = total * icnt;
```

6. 下列程式片段執行結果為何？ **ANS:_____**

```
total = 1.0;
for ( j= 1; j <= 5; j++)
    total = total / 2.0;
```

7. 下列程式片段執行結果為何？**ANS:_____**

```
#include <stdio.h>
int main()
{
    int i;
    for ( i = 20; i >= 0; i = i – 4 )
        printf("%d ", i);
}
```

8. 下列程式為計算 10!之值，請問空格處該填入

```
int i,p=1;
for (i=1; i<=10; i++)
{
    ____________________
}
```

9. 下列程式片段執行結果為何？**ANS:_____**

```
int sum = 0, count, d = 1;
for (count = 10; count > 0; count--)
{
   sum += d;
   if (d > 0)
        d++;
   else
        d--;
   d = -d;
}
printf ("%d ",sum);
```

10. 下列程式片段的執行結果為何？**ANS:_____**

```
int i, n=10, sum=0;
i=2;
while(i<=n)
{
   sum=sum+i;
   i+=2;
}
printf("%d ", sum);
```

11. 請寫下此程式之正確執行結果. **ANS:_____**

```
int a,b;
b=0;
for (a=2; a<=5; a++)
{
      b=b+a;
}

printf("%d ",b);
```

12. 請寫下此程式之正確執行結果. **ANS:_____**

```
int i, j, x=3, y=2;
for (i=1; i<=3; i++)
{
   x = x + 2;
   for (j=1; j<=3; j++)
         y = y + x;
}
printf("%d %d",x,y);
```