PROBLEM 1

1.int x= 2018113012 % 100;

   x=12

2. int a= -1 *x;

   a=-12

3. unsigned int b= (unsigned int) a;

   It has a negative overflow, hence the unsigned value would be -12 + (2^32) which is 4294967296. Hence answer = 4294967284

4. unsigned int c= UINT_MAX - x;

   UINT_MAX is (2^32-1)=4294967295
   Hence answer is 4294967283

5. int d=(int)c;

   There is a positive overflow, hence 2^32 is subtracted from c
   Answer is -13

6. int p= 65490 + x;

   p=65490 + 12=65502

7. short int e= (short int) p;

   There is a positive overflow hence we subtract 2^16 = 65536 from p
   Answer is -34

8. unsigned short f = (unsigned short) a;

   There is a negative overflow hence we add 2^16 = 65536 to a
   Answer is -12 + 65536 = 65524

9. printf("%d %u %u %d %h i %hu\n" , a , b , c , d , e , f);

   -12 4294967284 4294967283 -13 -34 65524