```
output of the code snippet:
-55 4294967241 4294967240 -56 9 65481
explanation:
my rollno is 2019101055
int x = yourrollnumber%100;
(so here x is 2019101055%100=55)
int a = \hat{a}_{-1}\hat{a}_{-1}(x);
(a=-x=>a=-55)
unsigned int b = ( unsigned int ) a ;
(signed to unsigned we add 2^32)
(so here b is 4294967241)
unsigned int c = UINT MAX \hat{a}_{\square}x;
(UINTMAX:2^32-1=4294967295.(this is for a 32 bit compiler)
so 4294967295-55=4294967240 which is stored in c)
int d = (int) c;
(integer form of c is the unsigned form=> unsigned to signed so subtract 2^32.
=>d=-56)
int p = 65490 + x;
(p=65490+55=65545)
short int e = ( short int ) p ;
(int to short int subtract 2^16 so p=9(65545-65536))
unsigned short f = (unsigned short) a;
(for signed to unsigned add 2^16.so a=65536-55=65481)
printf(\hat{a}_{-}%d %u %u %d %h i %hu\n\hat{a}_{-}, a,b,c,d,e,f);
output given above.
```