

3. Lab 5, Question 3

1.

assembly instruction	movl \$0x1619,-0x1c(%rbp) (main+16)			
Machine instruction (hex)				
Byte number(s)				
field name				
Field value				
Field meaning				
Info source	Page 3-644	Table 2.2	Table 2.2	page 3-644

2.

assembly instruction	movl \$-0x1c(%rbp), %eax (main+37)		
Machine instruction (hex)			
Byte number			
field name			
Field value			
Field meaning			
Info source	Page 3-643	Table 2.2	page 3-643

3.

assembly instruction	movl %eax, \$-0x18(%rbp) (main+49)		
Machine instruction (hex)			
Byte number			
field name			
Field value			
Field meaning			
Info source	Page 3-643	Table 2.2	page 3-643

4.

assembly instruction	movl \$0,%eax (main+71)		
Machine instruction (hex)			
Byte number(s)			
field name			
Field value			
Field meaning			
Info source	Page 3-644 and Table 3-1	Table 2.2.	

5.

assembly instruction	leavq (main+92)		
Machine instruction (hex)			
Byte number(s)			
field name			
Field value			
Field meaning			
Info source	Page 3-582		

6.

assembly instruction	movl %rsp, %rbp (main+1)		
Machine instruction (hex)			
Byte number			
field name			
Field value			
Field meaning			
Info source	Table 2.4	Page 3-643	Table 2.2

7.

assembly instruction	push %rbp (main+0)
Machine instruction (hex)	
Byte number	
field name	
Field value	
Field meaning	
Info source	Page 4-295 and Table 3.1

8.

assembly instruction	pop %rbx (main+91)
Machine instruction (hex)	
Byte number	
field name	
Field value	
Field meaning	
Info source	Page 4-188 and Table 3.1