

1. What is the value of the variable x after executing the code below?

```
int x = 4;
int y = 0;

for( int i=0; i<x; i++)
{
    y += i;
}
x = y;
```

2. What is the value of the variable x after executing the code below?

```
int y = 7;
int x = ++y;

x *= 5;
```

3. What is the value of the variable x after executing the code below?

```
int y = 7;
int x = 0;

do {
    x += y;
} while( y-- > 1 )
```

4. What is the value of the variable x after executing the code below?

```
int y = 10;
string x = "";
string text = "TheQuickBrownFox";

while( y>0 )
{
    x += text[y];
    y -= 2;
}
```

5. What is the value of the variable x after executing the code below?

```
int x = 8;  
int y = 4;  
  
x = x % y;
```

6. How is 217 expressed in binary notation?