

Question 24

a) Fragment 1 is using the machine language that only can be understood by the computer without any explanation.

Fragment 2 is using 3rd generation language because is one ~~of~~ line of code represent more than one action.

b) Inheritance - is the different object will happen.

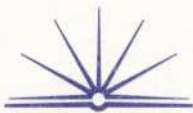
Classes - the methods have the same object

Reusable - the object than can be use in other way of programming.

c) i) The error ~~occur~~ occur because the user enter 0 as the height of the rectangle.

change line 20 to while InstRectangle.height < 7 I do

do not enter 0 as the height of the rectangle.



(ii) Begin

```
while Inst Triangle . height <= 0 do
```

```
begin
```

```
write ('Enter height');
```

```
readIn (Inst Triangle . height);
```

```
write ('Enter base');
```

```
readIn (Inst Triangle . base);
```

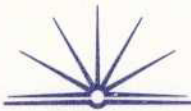
```
write ('Enter height divided by 2');
```

```
readIn (Inst Triangle . Divided by 2);
```

```
writeIn ('The area is', Inst Triangle . area);
```

```
end;
```

```
end.
```



(d) We will write this program is the fifth generation language because this is the most easy to understand and most easy to use in the ~~comp~~ programming language. We also have to understand the imperative, functional, logic and object-oriented. This is the four important thing that in the programming language. And we also need that the four thing to help us to do the programming.