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Started on	Sunday, 7 November 2021, 9:29 AM
State	Finished
Completed on	Sunday, 7 November 2021, 9:49 AM
Time taken	19 mins 55 secs
Marks	9.00/10.00
Grade	90.00 out of 100.00

Question 1 Complete Mark 1.00 out of 1.00 Flag question

Diberikan fungsi seperti berikut.

```
int ff(int a, int b) {  
    if (b == 0) {  
        return 1;  
    }  
    else if (b%2 == 1) {  
        return a * ff(a, b-1);  
    }  
    else {  
        int temp = ff(a, b/2);  
        return temp * temp;  
    }  
}
```

Untuk bilangan bulat positif a dan b, apa yang sebenarnya dihitung oleh fungsi **ff(a,b)**?

- ☐ a. $a * b$
- ☐ b. $\frac{b}{a}$
- ☐ c. 2^{a*b}
- ☐ d. $\frac{a}{b}$
- ☐ e. $FPB(a,b)$

Your answer is correct.

Question 2 Complete Mark 1.00 out of 1.00 Flag question

Perhatikan fungsi berikut.

```
int ee(int a) {  
    if (a == 0) {  
        return 0;  
    }  
    else{  
        return ee(a/10) + a%10;  
    }  
}
```

Berapa nilai dari **ee(2021)**?

Answer: 5

Question 3 Complete Mark 1.00 out of 1.00 Flag question

Diberikan prosedur seperti berikut.

```
void hh(int n) {  
    if (n > 0) {  
        hh(n-1);  
        for (int i=1 ; i<=n ; i++) {  
            cout << " ";  
        }  
        cout << endl;  
    }  
}
```

Jika dilakukan pemanggilan **hh(5)**, apa outputnya?

- ☐ a.

```
*****  
*****  
***  
**  
*  
**  
***  
*****  
*****
```
- ☐ b.

```
*  
**  
***  
****  
*****  
*****  
***  
**  
*
```
- ☐ c.

```
*  
**  
***  
****  
*****  
*****
```
- ☐ d.

```
*****  
*****  
***  
**  
*  
*
```

Your answer is correct.

Question 4 Complete Mark 1.00 out of 1.00 Flag question

Diberikan fungsi berikut:

```
int rr(int n, int temp)  
{  
    if (n == 0)  
        return temp;  
    else {  
        temp = (temp * 10) + (n % 10);  
        return rr(n / 10, temp);  
    }  
}
```

Berapa nilai dari **rr(534,0)**?

Answer: 435

Question 5 Complete Mark 1.00 out of 1.00 Flag question

Masalah mana yang bisa diselesaikan dengan rekursif?

- ☐ a. Pascal Triangle
- ☐ b. Array
- ☐ c. Factorial
- ☐ d. Sort

Your answer is correct.

Question 6 Complete Mark 1.00 out of 1.00 Flag question

apakah function rekursif ini benar?

```
int decrement(int num){  
    if (num>1)  
        return 1 + decrement(num)  
    else  
        return 1  
}
```

Select one:

- ☐ True
- ☐ False

Question 7 Complete Mark 1.00 out of 1.00 Flag question

Apakah rekursif bisa menggunakan function yang void?

Select one:

- ☐ True
- ☐ False

Question 8 Complete Mark 1.00 out of 1.00 Flag question

Diberikan fungsi berikut:

```
int zz(int n)  
{  
    if (n<=1)  
        return n;  
    else  
        return(n+zz(n-1));  
}
```

Berapa nilai dari **zz(5)**?

Answer: 15

Question 9 Complete Mark 1.00 out of 1.00 Flag question

Perhatikan fungsi berikut.

```
int gg(int x) {  
    if (x < 0) {  
        return x;  
    }  
    else {  
        return x * gg(x - 2);  
    }  
}
```

Berapa nilai dari **gg(7)**?

Answer: -105

Question 10 Complete Mark 0.00 out of 1.00 Flag question

perhatikan code berikut:

```
int zz(int n)  
{  
    if (n == 0)  
        return 0;  
  
    if (n == 1 || n == 2)  
        return 1;  
  
    else  
        return (zz(n - 1) + zz(n - 2));  
}  
  
int main()  
{  
  
    int n = 7;  
  
    for (int i = 0; i < n; i++)  
    {  
        cout<<zz(i)<<" ";  
    }  
    return 0;  
}
```

output yang tepat dari code tersebut adalah ... (abaikan spasi setelah bilangan terakhir pada output)

Answer: 0112358

Finish review